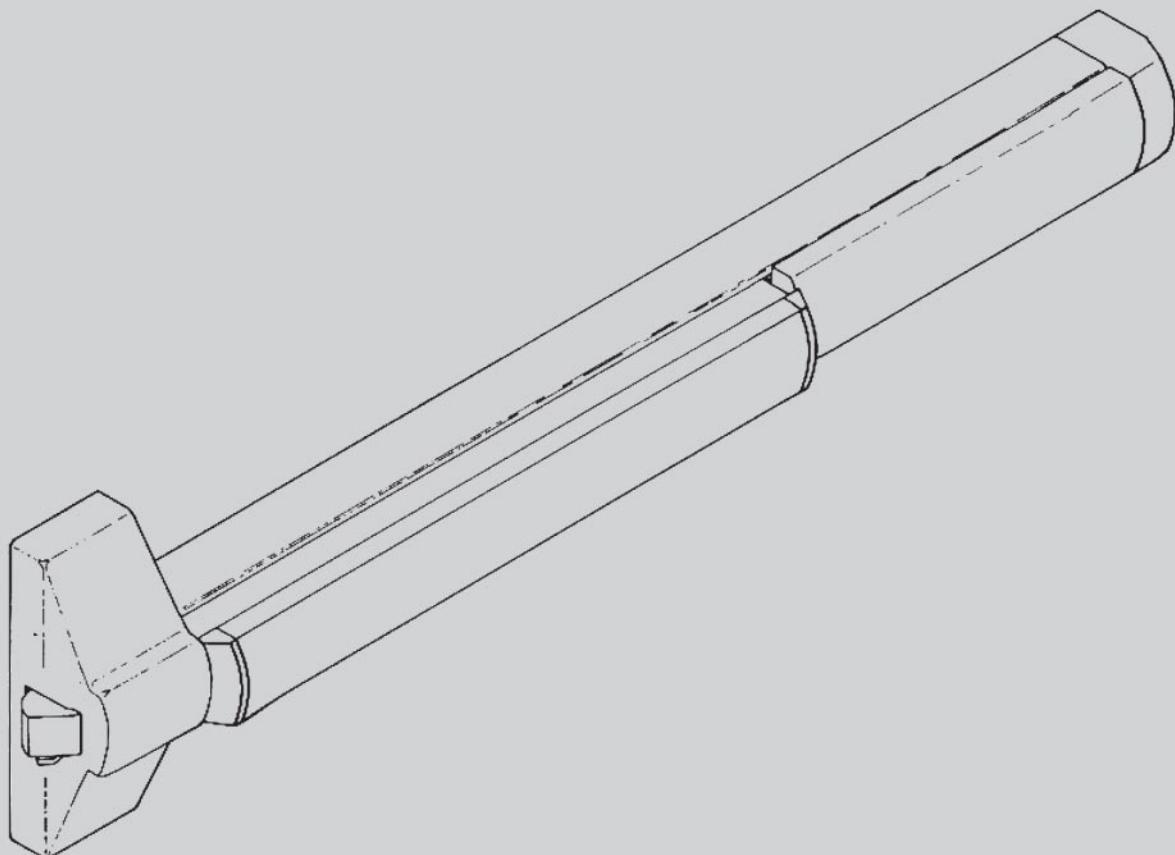




# ED4000/ED5000 Series

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## Pushbar Exit Devices Parts Manual



## ED4000/ED5000 Parts Manual

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- All fire rated components must be used only on fire rated exit devices. Doing otherwise would violate any type of product labeling or listing.
- Refer to the installation instructions for complete installation.
- Machine screws are provided for steel reinforced doors, wood screws are provided for wood door applications. In addition, sex nuts and bolts are provided for fire rated devices and are optional for non-rated devices. It is recommended that sex nuts and bolts be used for all exit device applications. This will improve the performance and extend the life of the product.
- In order to simplify the ordering procedure and maintain regulatory compliance, parts are only available as listed.
- For various special applications, optional parts are shaded on parts lists and diagrams.
- To order parts, use the appropriate Part Number and specify Finish (fin) as directed. For example, to order ten mullion stabilizer kits to match a Duranodic application, use the following configuration:

| Quantity  | Part Number     | Finish     | Hand |
|-----------|-----------------|------------|------|
| <b>10</b> | <b>653F11-1</b> | <b>695</b> |      |

For assistance, contact your authorized Corbin Russwin distributor or Corbin Russwin directly at the address on the back cover.

**Device Series**

|   |    |
|---|----|
| ED4200, ED5200, ED5200A - Rim Device .....                  | 2  |
| ED4400, ED5400, ED5400A - Surface Vertical Rod Device ..... | 4  |
| ED5600, ED5600A - Mortise Device .....                      | 6  |
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| Main Bar Components .....                                   | 10 |
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**Trim Parts**

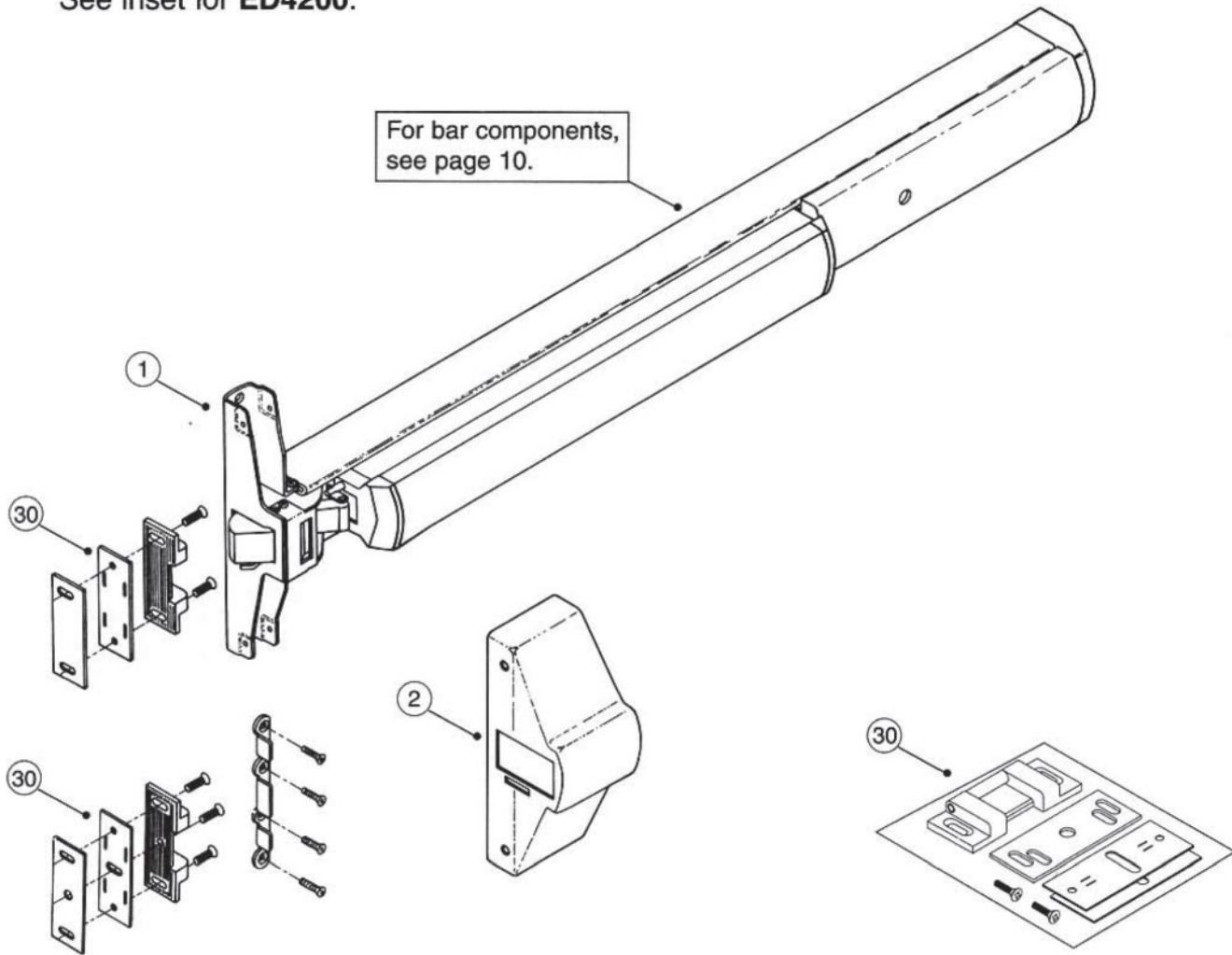
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**Service**

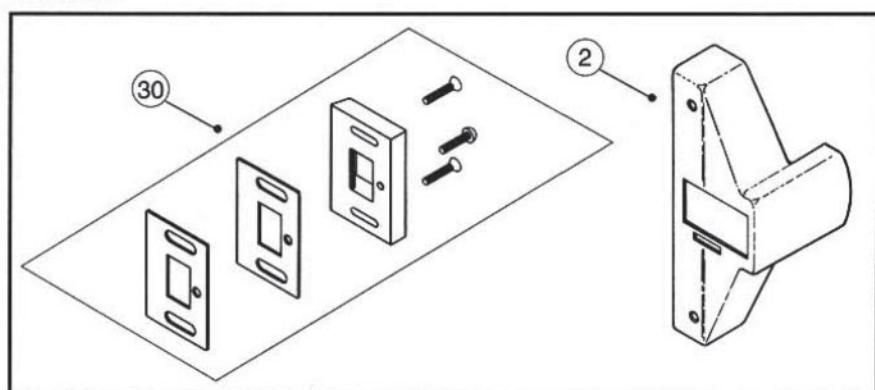
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| ITEM | PART NO.                         | SPECIFY           | DESCRIPTION                                  |
|------|----------------------------------|-------------------|--|
| ①    | 650F37-8<br>650F35-8<br>650F36-8 |                   | Active Head<br>ED4200<br>ED5200<br>ED5200A   |
| ②    | 650F03<br>650F00                 | fin<br>fin        | Active Head Cover<br>ED4200<br>ED5200(A)     |
| ⑩    | 650F31-8<br>650F29-8<br>650F30-8 | 622<br>622<br>622 | Strike Packet<br>ED4200<br>ED5200<br>ED5200A |

**ED5200(A)** fully illustrated.  
See inset for **ED4200**.



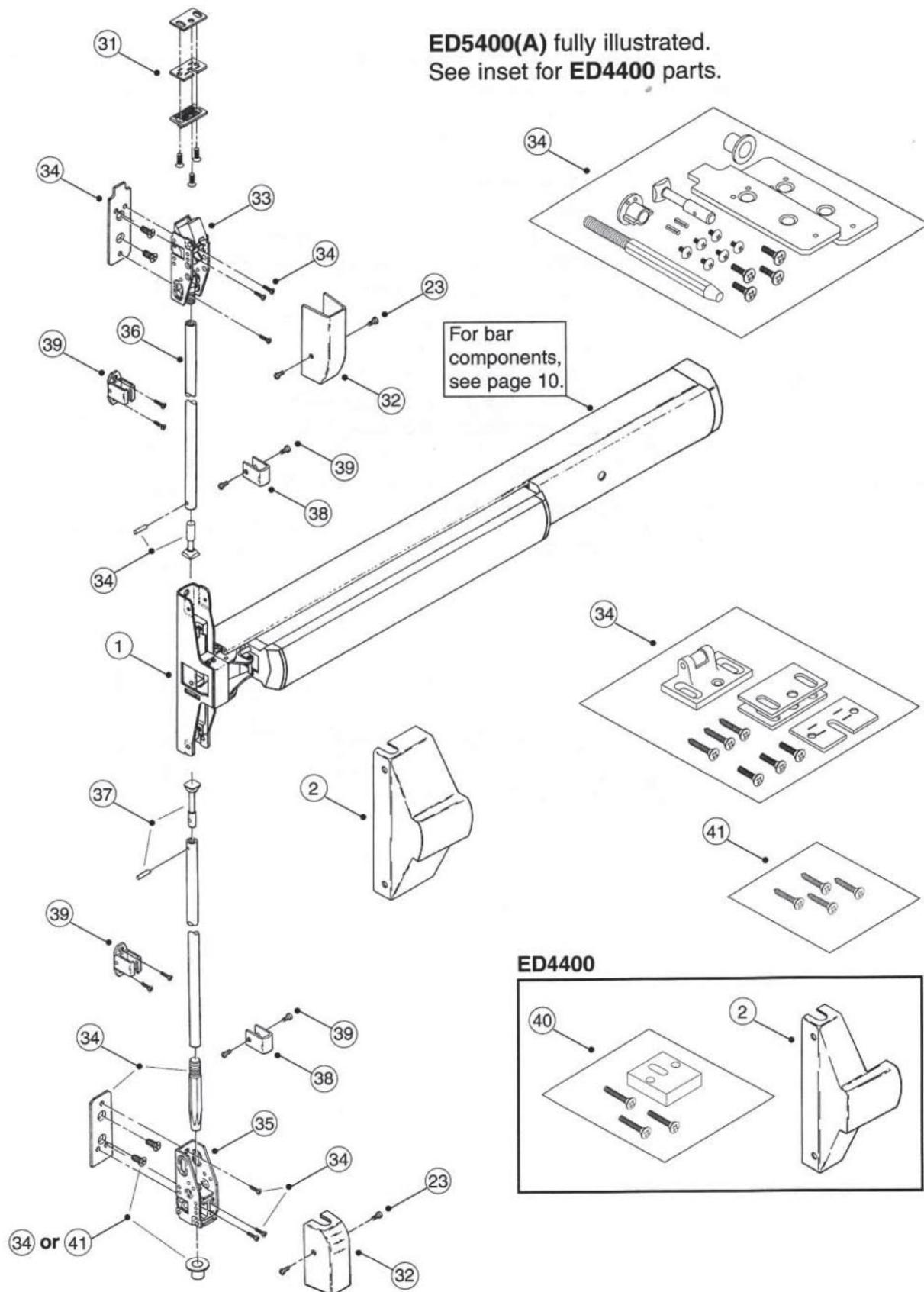
**ED4200**



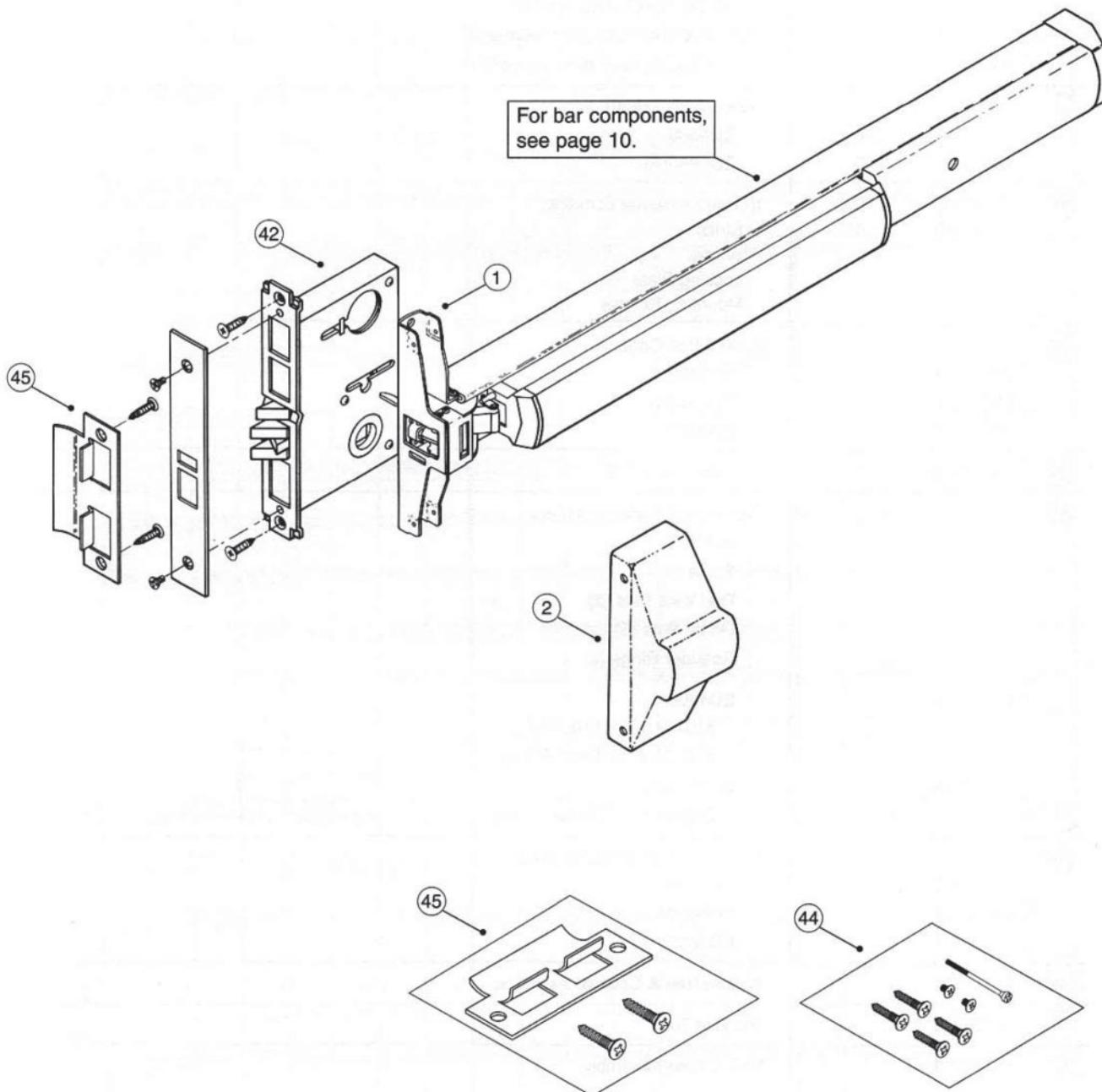
## Rod Exit Device

| ITEM | PART NO.                                     | SPECIFY    | DESCRIPTION   | ITEM | PART NO.             | SPECIFY | DESCRIPTION  |
|------|--|------------|---|------|----------------------|---------|--|
| (1)  | 650F40-8<br>650F41-8<br>650F38-8<br>650F39-8 |            | Active Head<br>ED4400 RHR<br>(field reversible)<br>ED4400 LHR<br>(field reversible)<br>ED5400(A) RHR<br>(field reversible)<br>ED5400(A) LHR<br>(field reversible)   | (35) | 650F58-8<br>650F59-8 |         | Bottom Bolt Case<br>ED4400, ED5400<br>ED5400(A)  |
| (2)  | 650F04<br>650F01                             | fin<br>fin | Cover, Active Head<br>ED4400<br>ED5400(A)   | (36) | 650F60               | fin     | Top Rod  |
| (23) | 650F34                                       | fin        | Screw Packet, Cover<br>#8-32 x 5/16"<br>FHUM-PH (4)   | (37) | 649F99               | fin     | Bottom Rod & End Pin<br>Assembly   |
| (31) | 650F54-8                                     | 622        | Top Strike Packet<br>contains:<br>Strike<br>Shims<br>Locking Plate<br>Mounting Screws   | (38) | 650F63               | fin     | Rod Guide Cover  |
| (32) | 650F64                                       | fin        | Cover, Top & Bottom<br>Latch  | (39) | 650F62               | fin     | Rod Guide Packet<br>Includes:<br>#8-32 x 1/4"<br>FHM-PH (4)  |
| (33) | 650F55-8<br>650F56-8                         |            | Top Latch<br>ED4400, ED5400<br>ED5400A  | (40) | 650F97-8             |         | Pillow Block Packet<br>(ED4400 only) contains<br>#10-24 x 1 1/4"<br>FHPM-PH Screws (3)<br>Pillow Block (1) |
| (34) | 650F57-8                                     |            | Mounting Packet<br>contains:<br>Top and Bottom<br>Latch Plates &<br>Screws<br>Top Rod End Pin<br>Cotter Pin<br>Bottom Bolt<br>Bottom Strike<br>Top and Bottom<br>Latch Mounting<br>Screws<br>#10-24 x 1/4"<br>PHM-PH (6)<br>#1/4-20 x 3/4"<br>FHM-PH (4)<br>Drill Jig for Rod Pin | (41) | 654F21-8             |         | Latch Packet with<br>#14 x 1 1/4" flat<br>Head Wood Screws<br>(ED4400, ED5400 only)                        |

## Vertical Rod Exit Device



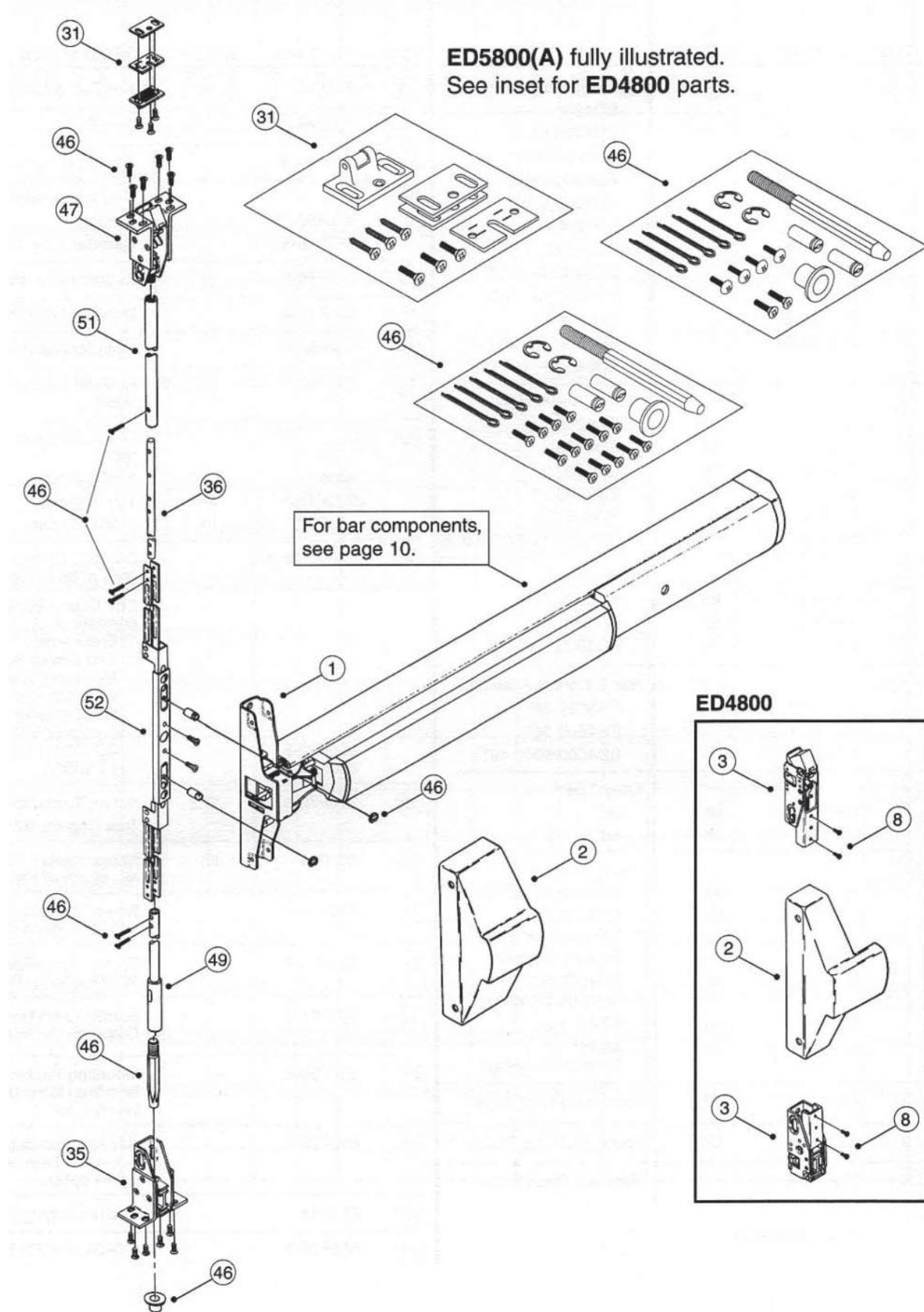
| ITEM | PART NO. | SPECIFY | DESCRIPTION   |
|------|----------|---------|---|
| ①    | 650F42-8 |         | Active Head   |
| ②    | 650F02   | fin     | Cover, Active Head  |
| ④②   |          |         | Mortise Lock Body<br>650F66-8 RR ED5650K, ED5657K (knob RHR)<br>650F66-8 LR ED5650K, ED5657K (knob LHR)<br>650F67-8 RR ED5650L/T, ED5657L/T (lever/thumbpiece RHR)<br>650F67-8 LR ED5650L/T, ED5657L/T (lever/thumbpiece LHR)<br>650F68-8 RR ED5610K, ED5655K (knob RHR)<br>650F68-8 LR ED5610K, ED5655K (knob LHR)<br>650F69-8 RR ED5610L, ED5655L (lever RHR)<br>650F69-8 LR ED5610L, ED5655L (lever LHR)<br>650F70-8 RR ED5610T, ED5655T (thumbpiece RHR)<br>650F70-8 LR ED5610T, ED5655T (thumbpiece LHR) |
| ④③   | 650F06   | fin     | Armored Front   |
| ④④   | 429F41   | fin     | Screw Packet for Armored Front  |
| ④⑤   | 650F65-8 | 622     | Strike Packet   |



## Vertical Rod Exit Device

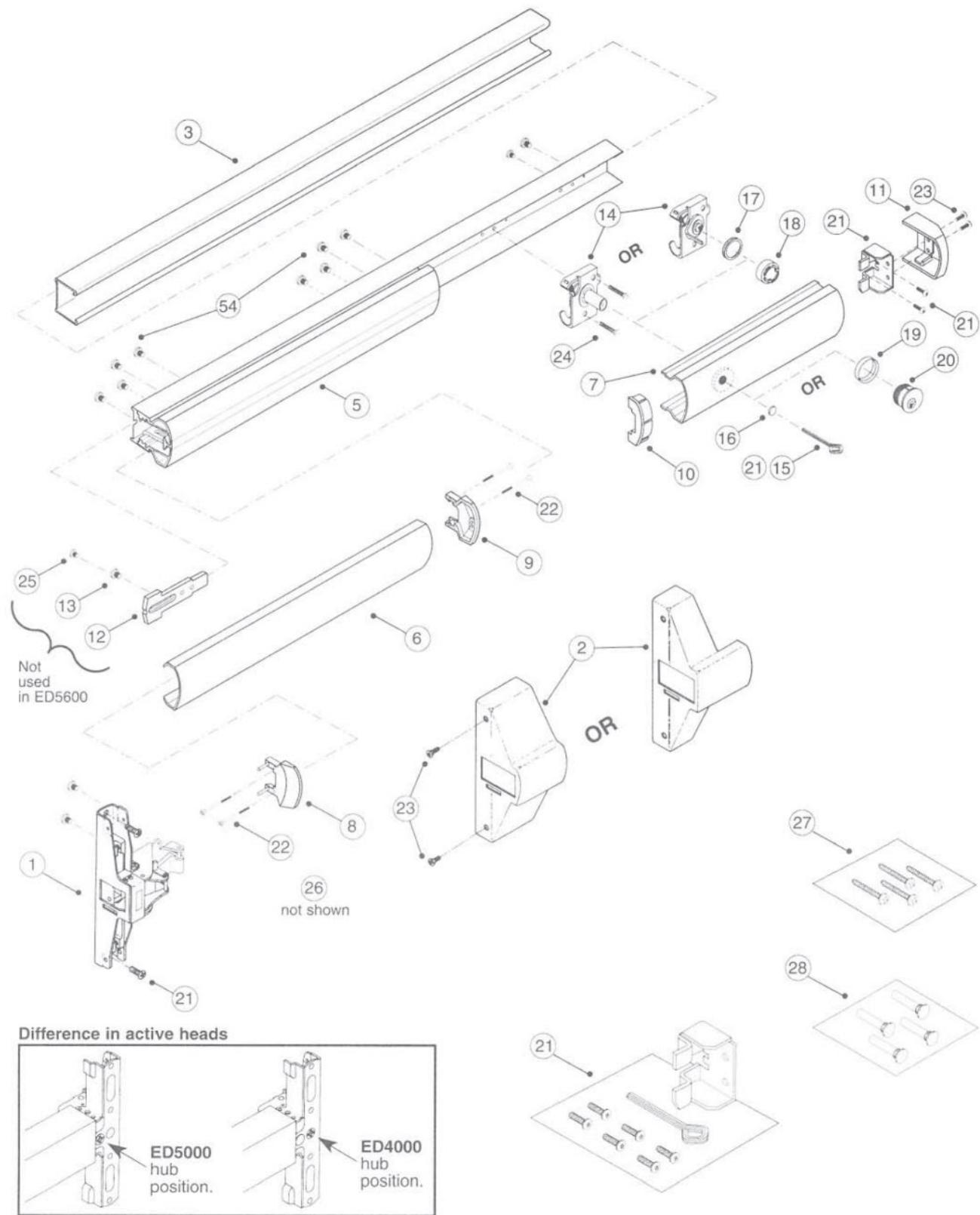
| ITEM | PART NO.                                     | SPECIFY    | DESCRIPTION  |
|------|--|------------|--|
| (1)  | 650F45-8<br>650F46-8<br>650F43-8<br>650F44-8 |            | Active Head<br>ED4800 RHR (field reversible)<br>ED4800 LHR (field reversible)<br>ED5800(A) RHR (field reversible)<br>ED5800(A) LHR (field reversible)  |
| (2)  | 650F05<br>650F02                             | fin<br>fin | Cover, Active Head<br>ED4800<br>ED5800(A)  |
| (31) | 650F54-8<br>650F55-8                         | 622<br>622 | Top Strike Packet contains:<br>Strike<br>Shims<br>Locking Plate<br>Mounting Screws   |
| (35) | 650F74-8<br>650F75-8<br>650F76-8             |            | Bottom Bolt Case<br>ED5800<br>ED5800A<br>ED4800  |
| (36) | 650F80-8                                     |            | Top Rod  |
| (46) |  |            | Bottom Bolt Packet contains:<br>Bolt<br>Strike<br>Rod Yoke Pins (2)<br>Cotter Pins (5)<br>Retainer Rings (2)<br><br>650F77-8<br>ED4800<br>#10-24 x 1/2" FHM-PH (2)<br>#10-24 x 1/2" RHM-PH (4)<br><br>650F78-8<br>ED5800(A)<br>#10-24 x 1/2" FHM-PH (14) |
| (47) | 650F71-8<br>650F72-8<br>650F73-8             |            | Top Latch & Bracket Assembly<br>ED5800<br>ED5800A<br>ED4800  |
| (49) | 650F79-8                                     |            | Bottom Rod & Coupler Assembly  |
| (51) | 650F81-8                                     |            | Top Rod Tube   |
| (52) | 650F82-8                                     |            | Rod & Yoke Assembly  |

## Vertical Rod Exit Device

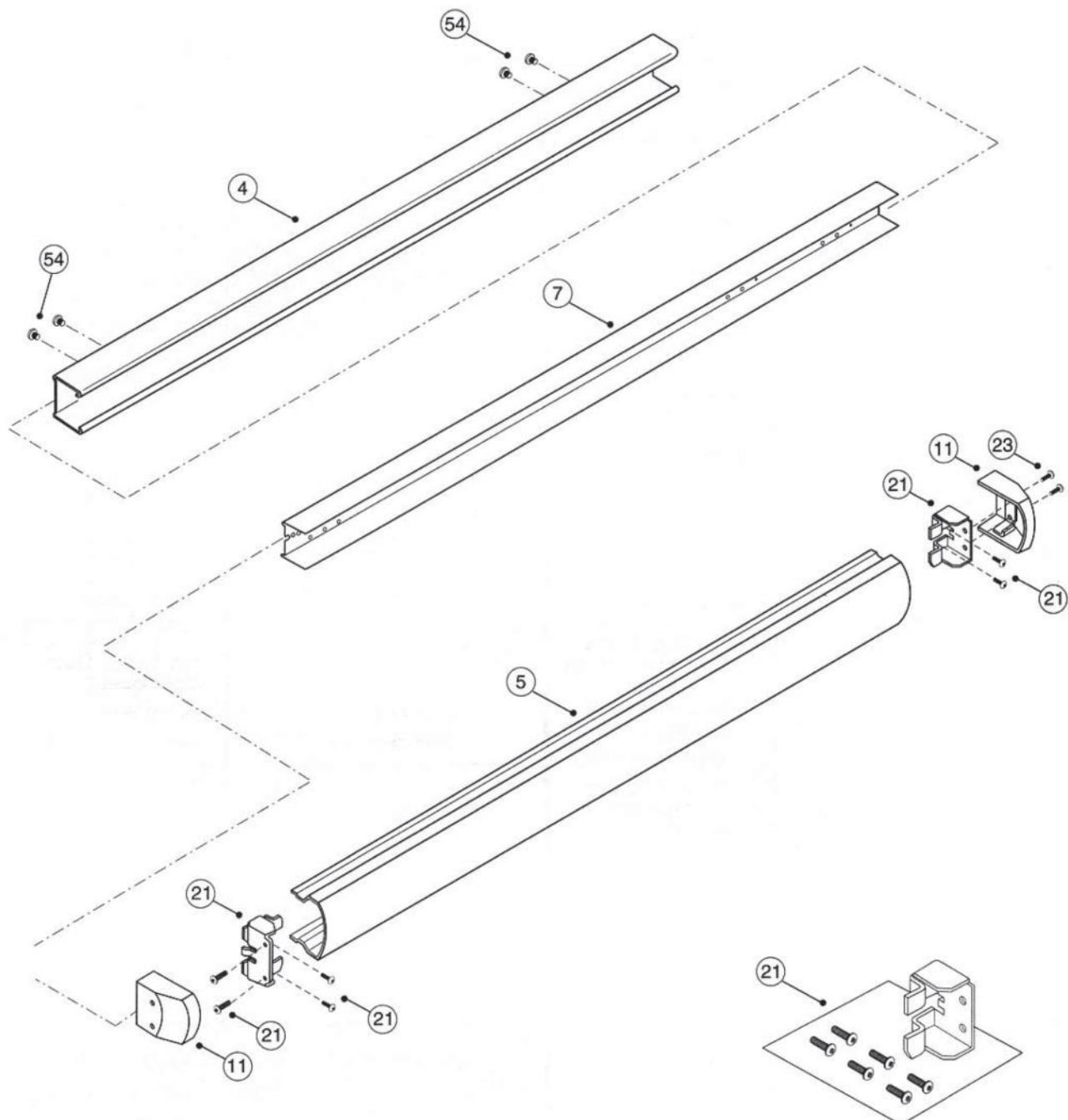


| ITEM               | PART NO.   | SPECIFY                                | DESCRIPTION   | ITEM | PART NO.             | SPECIFY | DESCRIPTION  |
|--------------------|--|--|---|------|----------------------|---------|--|
| ①                  | 650F37-8<br>650F40-8<br>650F41-8<br>650F45-8<br>650F46-8<br>650F35-8<br>650F36-8<br>650F38-8<br>650F39-8<br>650F42-8<br>650F43-8<br>650F44-8 |  | Active Head<br>ED4200<br>ED4400 RHR*<br>ED4400 LHR*<br>ED4800 RHR*<br>ED4800 LHR*<br>ED5200<br>ED5200A<br>ED5400(A) RHR*<br>ED5400(A) LHR*<br>ED5600(A)<br>ED5800(A) RHR*<br>ED5800(A) LHR* | ⑪    | 653F46               | fin     | End Cap & Liner Assembly   |
| ②                  | 650F03<br>650F04<br>650F05<br>650F00<br>650F01<br>650F02   | fin<br>fin<br>fin<br>fin<br>fin<br>fin | Cover, Active Head<br>ED4200<br>ED4400<br>ED4800<br>ED5200(A)<br>ED5400(A)<br>ED5600(A), ED5800(A)  | ⑫    | 650F48-9             |         | Trim Slide   |
| ③                  | 650F19<br>650F20<br>650F21   | fin<br>fin<br>fin                      | Bottom Rail<br>ED5000 36"<br>ED4000 36"<br>ED4000/5000 48"  | ⑬    | 650F49-8             |         | Trim Slide Retainer  |
| ⑤                  | 650F22-8<br>650F23-8<br>650F24-8   |  | Bar & Carrier Assembly<br>ED5000 36"<br>ED4000 36"<br>ED4000/5000 48"   | ⑭    | 650F52-8<br>650F96-8 |         | Dogging Assembly<br>Standard<br>Cylinder Type (M52)  |
| ⑥                  | 650F07<br>650F08   | fin<br>fin                             | Cover, Bar<br>36"<br>48"  | ⑮    | 656F40-8             |         | Dogging Key (5/32" hex)  |
| ⑦                  | 650F11<br>650F12<br>650F13<br>650F14<br>650F15<br>650F16   | fin<br>fin<br>fin<br>fin<br>fin<br>fin | Cover, End<br>ED5000(A) 36" std.<br>ED5000 36"<br>Cylinder Dogging<br>ED4000 36" std.<br>ED4000 36"<br>Cylinder Dogging<br>All 48" std.<br>All 48"<br>Cylinder Dogging                      | ⑯    | 650F27-9             |         | Dogging Hole Plug  |
| ⑧                  | 650F10-5   | 622                                    | Touch Pad Cap, Front  | ⑰    | 650F94-2             |         | Cylinder Nut (M52)   |
| ⑨                  | 650F09-5   | 622                                    | Touch Pad Cap, Rear   | ⑱    | 650F95-5             |         | Cylinder Spacer Sleeve (M52)   |
| ⑩                  | 650F18-9   |  | Bar Cap, Black Nylon  | ⑲    | 1000-118-A02         |         | Dogging Cylinder (see p. 36 for options)   |
| * Field reversible |  |  |   |      |                      |         |  |
| ⑳                  | 650F32-8<br>650F33-8   |  |   | ㉑    |                      |         | End Clamp Packet consists of:<br>End Clamp<br>End Clamp Screws (2)<br>Mounting Screws (2)<br>for Latch Head<br>Hex Dogging Key (except ED5000A)<br>ED4000, ED5000<br>ED5000A |
| ㉒                  | 220F70-8   | 622                                    |   | ㉓    | 650F34               | fin     | Screw, Touch Bar Caps, Torx Cap #6-32 x 3/4" (4)   |
| ㉔                  | 650F53-8   |  |   | ㉕    | 650F50-8             |         | Screw Packet, Cover #8-32 x 5/16" FHUM-PH (4)  |
| ㉖                  | 650F51-8   |  |   | ㉗    | 654F20-8             |         | Screw, Dogging Assy., #10-24 x 5/8" PHT-T-PN (2)   |
| ㉘                  | 652F29-8   |  |   | ㉙    | 650F50-8             |         | Screw, Trim Slide, #8-32 x 1/2" FHT-PH   |
| ㉚                  | 656F41   |  |   | ㉛    | 650F51-8             |         | Screw, Latch Head to Carrier, #8-32 x 1/4" PHTC-PH   |
| ㉛                  | 656F66-8   |  |   | ㉜    | 654F20-8             |         | Mounting Packet for Non-fire Rated Devices, Wood Door  |
| ㉝                  |  |  |   | ㉞    | 652F29-8             |         | Sex Nut Packet (4) Fire-rated Devices incl. (M54) option   |
| ㉞                  |  |  |   | ㉟    | 656F41               |         | Touch Pad Spring (not shown)   |
| ㉟                  |  |  |   | ㉟    | 656F66-8             |         | #10-24 x 1/4" PH Screw (8)   |

\* Field reversible



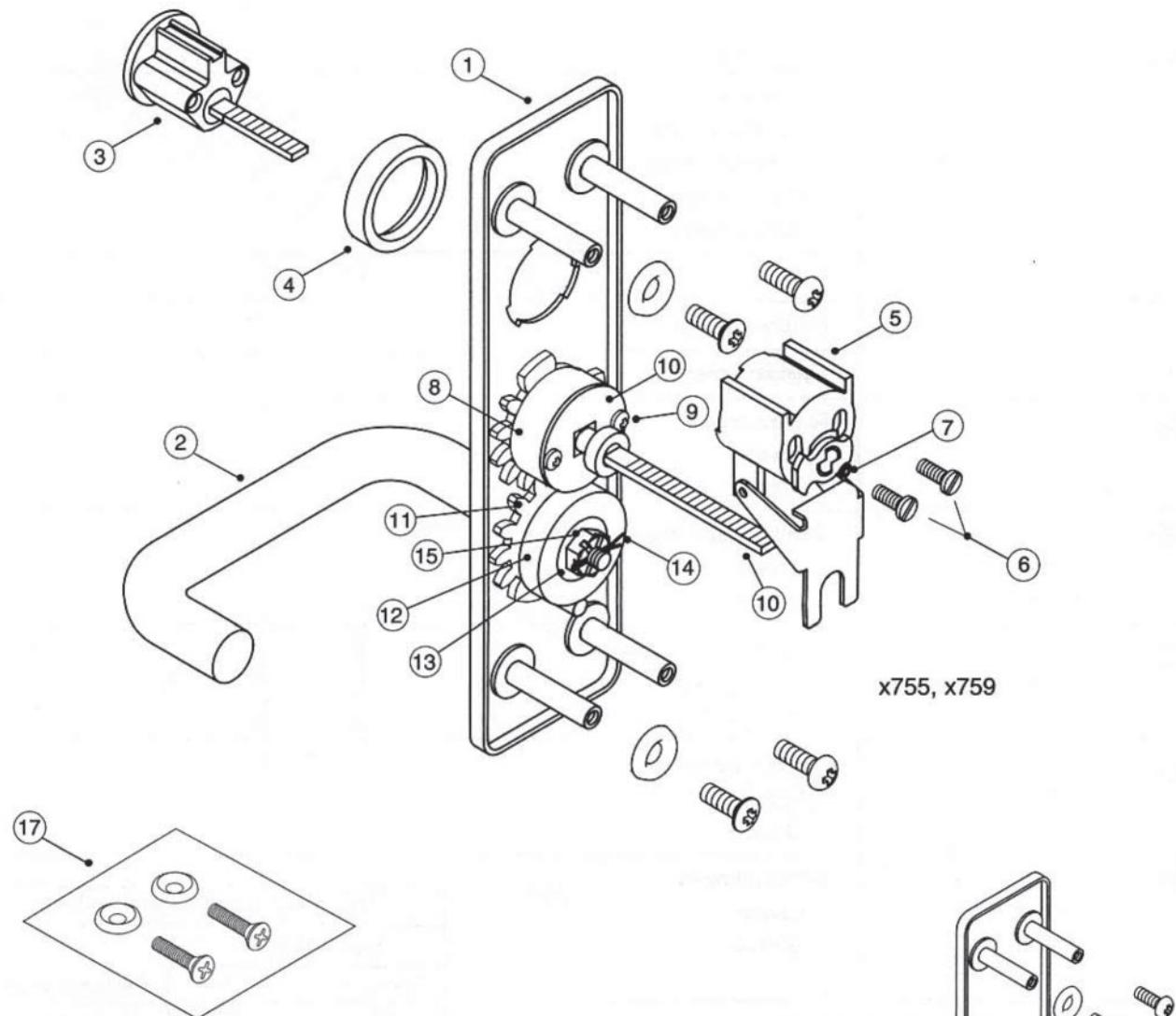
| ITEM | PART NO. | SPECIFY | DESCRIPTION   |
|------|----------|---------|---|
| ③    | 650F21   | fin     | Bottom Rail, 48"  |
| ④    | 650F99-8 |         | Carrier Bar   |
| ⑦    | 650F93   | fin     | Cover, End  |
| ⑪    | 653F46   |         | End Cap & Liner Assembly (2)  |
| ⑯    | 650F33-8 |         | End Clamp Packet<br>consists of:<br>End Clamp<br>End Clamp Screws (2)<br>Mounting Screws for Latch Head (2) |
| ㉓    | 650F34   | fin     | Screw Packet, Cover   |



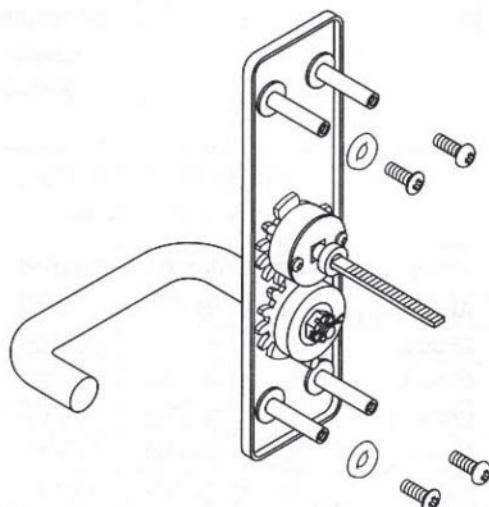
| ITEM | PART NO.                                     | SPECIFY           | DESCRIPTION  | ITEM | PART NO.                         | SPECIFY    | DESCRIPTION   |
|------|--|-------------------|--|------|----------------------------------|------------|---|
| ①    | 651F13<br>651F14                             | fin<br>fin        | Escutcheon<br>x710, x750<br>x755, x759   | ⑯    | 118F29-9<br>651F38-9             |            | Thimble Insert, Nylon<br>(not shown)<br>Levers<br>G Knob                              |
| ②    | see chart                                    |                   | Grip   | ⑰    | 652F12-8<br>652F13-8             |            | Screw Packet,<br>Mounting<br>1 3/4" - 2" Door<br>2 1/4" Door                          |
| ③    | see page 36                                  |                   | Rim Cylinder   | ⑱    | 651F62-8<br>651F61-8<br>651F75-8 |            | Spring, Grip Return<br>(not shown)<br>Levers, RHR (blue)<br>Levers, LHR (red)<br>Knob |
| ④    | 270F15<br>654F07<br>654F08                   | fin<br>fin<br>fin | Cylinder Collar<br>1 1/8" Cylinder<br>1 1/4" Cylinder<br>1 1/2" Cylinder                                   | ⑲    | 651F40-8                         |            | Spring (not shown)<br>Under Tailpiece   |
| ⑤    | 651F67-5                                     |                   | Housing & Cam Assy.<br>55/59 Function only   | ⑳    | 651F39-8                         |            | Hex Nut / Bushing for<br>Spring (not shown)   |
| ⑥    | 655F02-8                                     |                   | Screw, Cylinder<br>Mounting (2)  | ㉑    | 651F70-8                         |            | Washer Under<br>Tailpiece (not shown)   |
| ⑦    | 656F65-8                                     |                   | Screw, 55/59 Function  | ㉒    | 651F79-8<br>651F78-8             |            | Nut, Spindle Gear<br>(not shown)<br>3/8-16 for x750 Levers<br>1/4 - 20 for G Knob     |
| ⑧    | 651F63-8                                     |                   | Gear and Black<br>Housing Assembly<br>(all but x750)   | ㉔    | 652F19<br>651F28                 | fin<br>fin | Thimble (not shown)<br>Levers<br>G Knob   |
| ⑨    | 651F50-8                                     |                   | Screw, Tailpiece Plate,<br>#6 x 3/8" PHT-T-PH (2)  |      |                                  |            |   |
| ⑩    | 651F71-8<br>655F70-8                         |                   | Tailpiece Assembly<br>1 3/4" Door<br>Without Shim Kit<br>2" - 2 1/4" Door or<br>Std. Door with<br>Shim Kit |      |                                  |            |   |
| ⑪    | 651F64-8<br>651F77-8<br>655F54-8<br>655F55-8 |                   | Gear<br>Levers<br>G Knob<br>Dummy Lever<br>Dummy Knob  |      |                                  |            |   |
| ⑫    | 651F65-5<br>656F64                           |                   | Hub<br>Levers<br>G Knob  |      |                                  |            |   |
| ⑬    | 651F72-8                                     |                   | Hub Bushing, Levers  |      |                                  |            |   |
| ⑭    | 651F66-8                                     |                   | Cotter Pin   |      |                                  |            |   |
| ⑮    | 651F73-8                                     |                   | Nut, Spindle   |      |                                  |            |   |

**Grip (Specify Finish)**  
Part numbers are for pinned assemblies with spindle.

| Name      | Letter | Standard | Knurled | Abrasive |
|-----------|--------|----------|---------|----------|
| Armstrong | A      | 652F78   | 652F79  | 652F80   |
| Citation  | C      | 652F66   | 652F67  | 652F68   |
| Dirke RHR | D      | 652F69   | 652F70  | 652F71   |
| Dirke LHR | D      | 652F72   | 652F73  | 652F74   |
| Essex     | E      | 652F57   | 652F58  | 652F59   |
| Global    | G      | 656F45   | 656F48  | 656F51   |
| Lustra    | L      | 652F60   | 652F61  | 652F62   |
| Newport   | N      | 652F75   | 652F76  | 652F77   |
| Princeton | PR     | 652F81   | 652F82  | 652F83   |
| Regis     | R      | 652F63   | 652F64  | 652F65   |



| <b>x designates grip letter(s)</b> |  |
|------------------------------------|--|
| A = Armstrong                      |  |
| C = Citation                       |  |
| D = Dirke                          |  |
| E = Essex                          |  |
| G = Global                         |  |
| L = Lustra (shown)                 |  |
| N = Newport                        |  |
| O = Thumturn operator              |  |
| PR = Princeton                     |  |
| R = Regis                          |  |



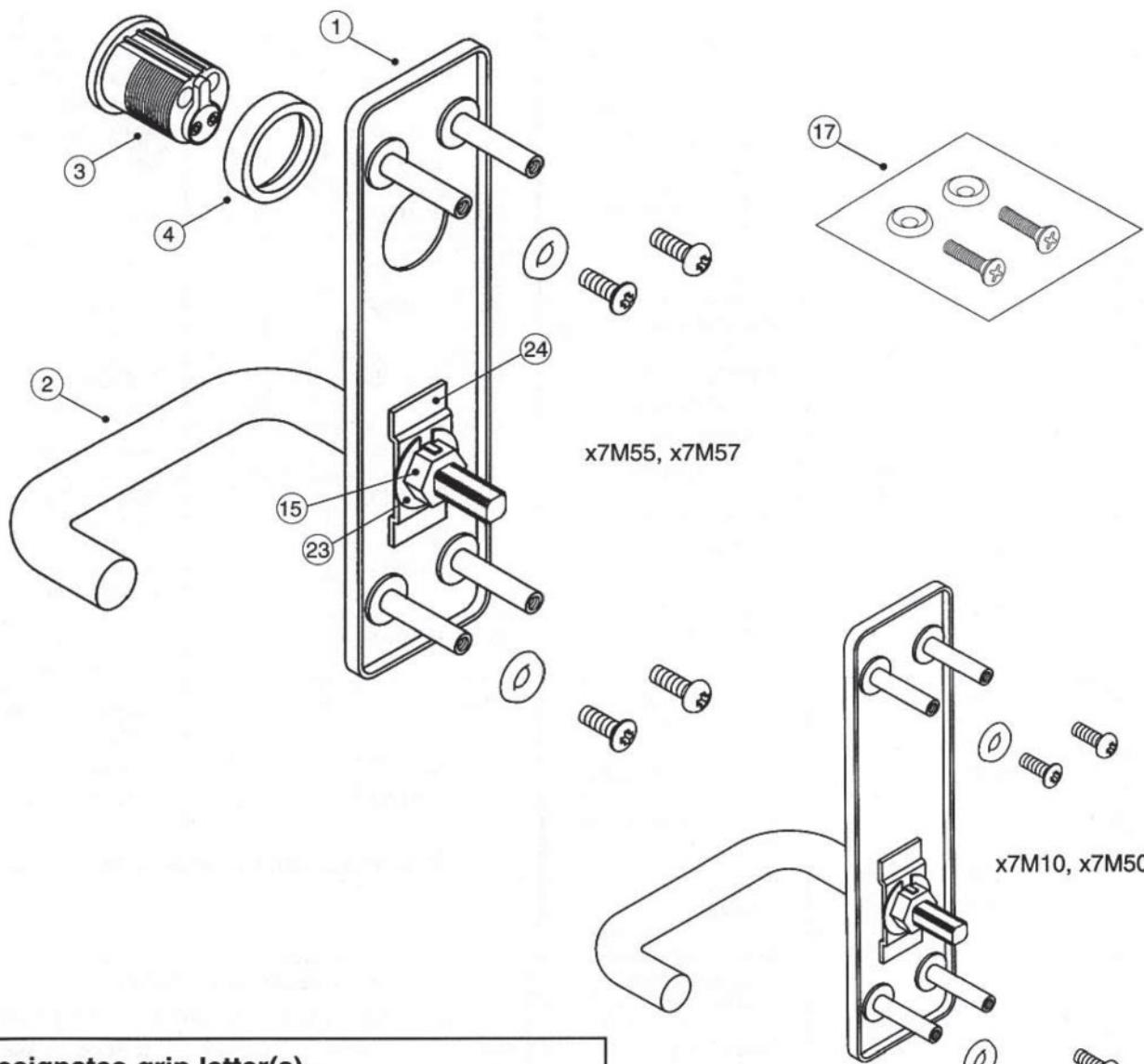
x710 shown  
x750 dummy

| ITEM | PART NO.                             | SPECIFY                  | DESCRIPTION   |
|------|--------------------------------------|--------------------------|---|
| ①    | 656F57<br>656F56<br>656F55<br>656F54 | fin<br>fin<br>fin<br>fin | Escutcheon<br>Cylinder x Lever<br>Cylinder x Knob<br>Blank x Lever<br>Blank x Knob                          |
| ②    | see chart                            |                          | Grip  |
| ③    | see page 36                          |                          | Mortise Cylinder  |
| ④    | see chart                            |                          | Cylinder Collar   |
| ⑯    | 652F09-8<br>652F08-8                 |                          | Nut, Spindle<br>Lever<br>Knob   |
| ⑯    | 118F29-8<br>651F38-9                 |                          | Thimble Insert, Nylon (not shown)<br>Levers<br>G Knob   |
| ⑰    | 652F12-8<br>652F13-8                 |                          | Screw Packet, Mounting<br>1 <sup>3</sup> / <sub>4</sub> " - 2" Door<br>2 <sup>1</sup> / <sub>4</sub> " Door |
| ㉓    | 652F05-8<br>652F06-8                 |                          | Spindle Washer<br>Levers<br>G Knob  |
| ㉔    | 652F04-8<br>652F07-8                 |                          | Spindle Bracket<br>Levers<br>G Knob   |

| <b>Grip (Specify Finish)</b>  |        |          |         |          |
|---|--------|----------|---------|----------|
| 1 <sup>3</sup> / <sub>4</sub> " - 2 <sup>1</sup> / <sub>4</sub> " Doors |        |          |         |          |
| Name  | Letter | Standard | Knurled | Abrasive |
| Armstrong   | A      | 653F71   | 653F72  | 653F73   |
| Citation  | C      | 653F59   | 653F60  | 653F61   |
| Dirke RHR   | D      | 653F62   | 653F63  | 653F64   |
| Dirke LHR   | D      | 653F65   | 653F66  | 653F67   |
| Essex   | E      | 653F50   | 653F51  | 653F52   |
| Global  | G      | 656F44   | 656F47  | 656F50   |
| Lustra  | L      | 653F53   | 653F54  | 653F55   |
| Newport   | N      | 653F68   | 653F69  | 653F70   |
| Princeton   | PR     | 653F74   | 653F75  | 653F76   |
| Regis   | R      | 653F56   | 653F57  | 653F58   |

Note: Numbers are pinned assemblies with spindle.

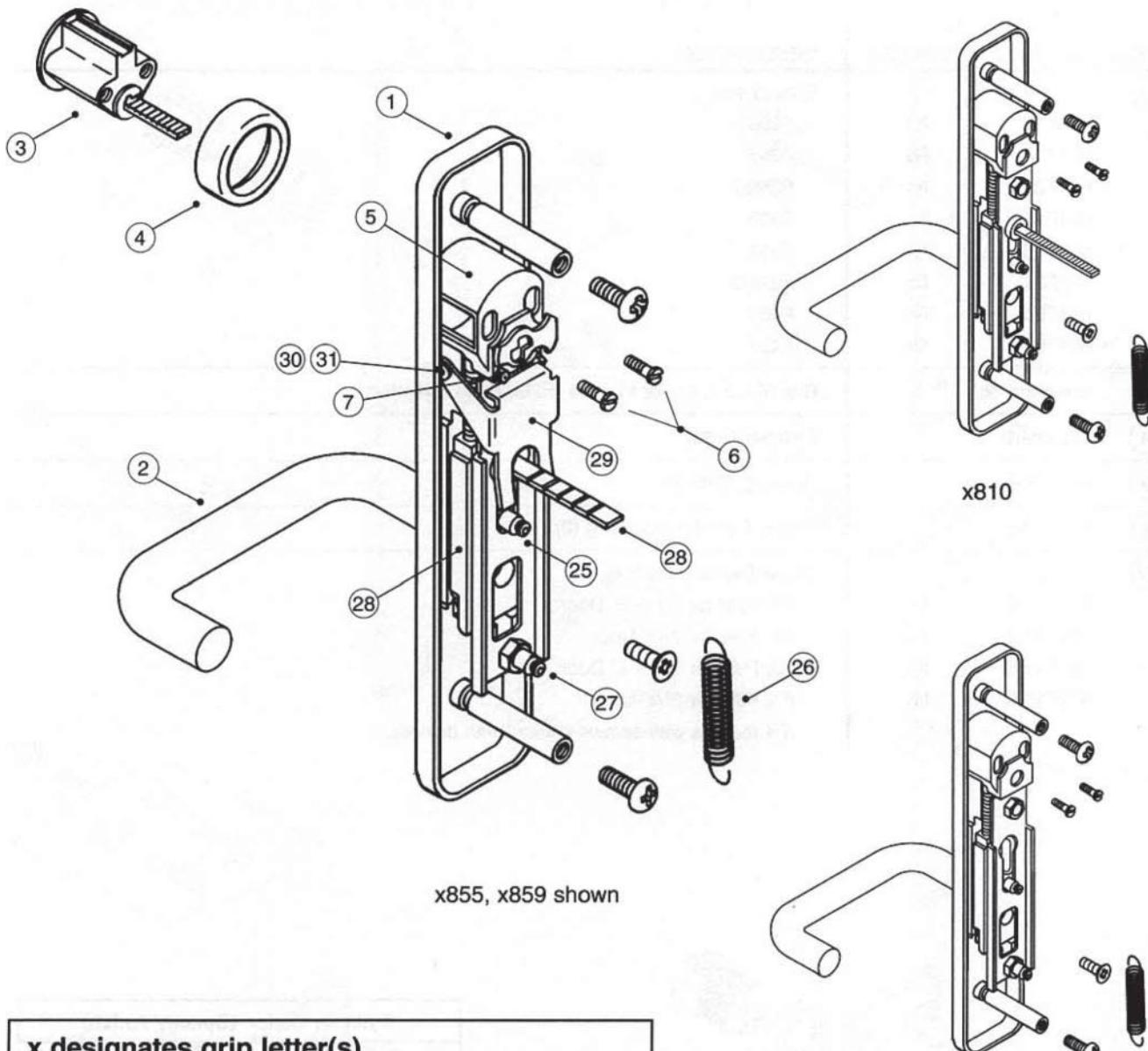
| Cylinder Collar (Specify Finish)      |                                 |   |
|---------------------------------------|---------------------------------|---|
| Door Thickness                        |                                 | Cylinder Length                         |
| 1 <sup>3</sup> / <sub>4</sub> " to 2" | 2 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " mortise |
| 447F42                                | 447F41                          | 1 <sup>1</sup> / <sub>4</sub> " mortise |
| 610F02                                | 447F42                          | 1 <sup>1</sup> / <sub>4</sub> " mortise |
| 609F36                                | 610F02                          | 1 <sup>1</sup> / <sub>2</sub> " mortise |



|                                    |   |
|------------------------------------|---|
| <b>x</b> designates grip letter(s) |   |
| <b>A</b> = Armstrong               |  |
| <b>C</b> = Citation                |  |
| <b>D</b> = Dirke                   |  |
| <b>E</b> = Essex                   |  |
| <b>G</b> = Global                  |  |
| <b>L</b> = Lustra (shown)          |  |
| <b>N</b> = Newport                 |  |
| <b>O</b> = Thumturn operator       |  |
| <b>PR</b> = Princeton              |  |
| <b>R</b> = Regis                   |  |

| ITEM | PART NO.                             | SPECIFY                  | DESCRIPTION  | ITEM  | PART NO.             | SPECIFY | DESCRIPTION  |  |
|------|--------------------------------------|--------------------------|--|---|----------------------|---------|--|--|
| ①    | 656F59<br>656F58<br>656F61<br>656F60 | fin<br>fin<br>fin<br>fin | Escutcheon<br>Cylinder x Lever<br>Cylinder x Knob<br>Plain x Lever<br>Plain x Knob or<br>Thumbturn | ②8  | 651F82-8<br>652F21-8 |         | Rack & Tailpiece<br>Assembly<br>x810, x855, x859<br>x850     |  |
| ②    | see chart                            |                          | Grip   | ②9  | 651F53-8             |         | Clutch Lever   |  |
| ③    | see page 36                          |                          | Rim Cylinder   | ③0  | 651F83-8             |         | Pin, Clutch Lever  |  |
| ④    | 270F15<br>654F07<br>654F08           | fin<br>fin<br>fin        | Cylinder Collar<br>1 1/8" Cylinder<br>1 1/4" Cylinder<br>1 1/2" Cylinder                           | ③1  | 651F89-8             |         | Retainer, Clutch<br>Lever Pin                                |  |
| ⑤    | 651F96-5<br>655F66-5                 |                          | Housing & Cam Assy.<br>Keyed Functions<br>x855, x859<br>Non-Keyed<br>Functions x810,<br>x850       | ③2  | 651F88-8             |         | Nut, Cover Plate<br>(not shown)                              |  |
| ⑥    | 655F02-8                             |                          | Screw, Cylinder<br>Mounting (2)  | ③3  | 652F22-8             |         | Hub (not shown)  |  |
| ⑦    | 656F65-8                             |                          | Screw, 55/59 Function  | ③4  | 652F23-9             |         | Bushing, Nylon<br>(not shown)                                |  |
| ⑯    | 651F38-9<br>118F29-9                 |                          | Thimble Insert, Nylon<br>(not shown)<br>G8, O8<br>Levers   | ③5  | 651F84-8             |         | Washer, Grip<br>(not shown)                                  |  |
| ⑲    | 651F40-8                             |                          | Spring (not shown)<br>Under Tailpiece<br>x810, x855, x859  | ③6  | 651F87-8             |         | Screw, Spindle<br>#8-32 x 7/16" FHM-PH                       |  |
| ㉕    | 651F85-8                             |                          | Cover Plate  | ㉗   | 651F93-8<br>651F86-8 |         | Spring, Rack, (2)<br>(not shown)<br>Lever<br>Knob, Thumbturn |  |
| ㉖    | 651F94-8                             |                          | Spring, Extension<br>Levers only   | Note: All mounting screws packed with device. |                      |         |  |  |
| ㉘    | 651F92-8                             |                          | Nut, Spring Post<br>Levers only  |   |                      |         |  |  |

| Grips (Specify Finish)                           |        |          |         |          |
|--|--------|----------|---------|----------|
| Part numbers are pinned assemblies with spindle. |        |          |         |          |
| Name   | Letter | Standard | Knurled | Abrasive |
| Armstrong  | A      | 653F05   | 653F06  | 653F07   |
| Citation   | C      | 652F93   | 652F94  | 652F95   |
| Dirke RHR  | D      | 652F96   | 652F97  | 652F98   |
| Dirke LHR  | D      | 652F99   | 653F00  | 653F01   |
| Essex  | E      | 652F84   | 652F85  | 652F86   |
| Global   | G      | 656F46   | 656F49  | 656F52   |
| Lustra   | L      | 652F87   | 652F88  | 652F89   |
| Newport  | N      | 653F02   | 653F03  | 653F04   |
| Princeton  | PR     | 653F08   | 653F09  | 653F10   |
| Regis  | R      | 652F90   | 652F91  | 652F92   |
| Thumbturn  | O      | 656F53   | N/A     | N/A      |

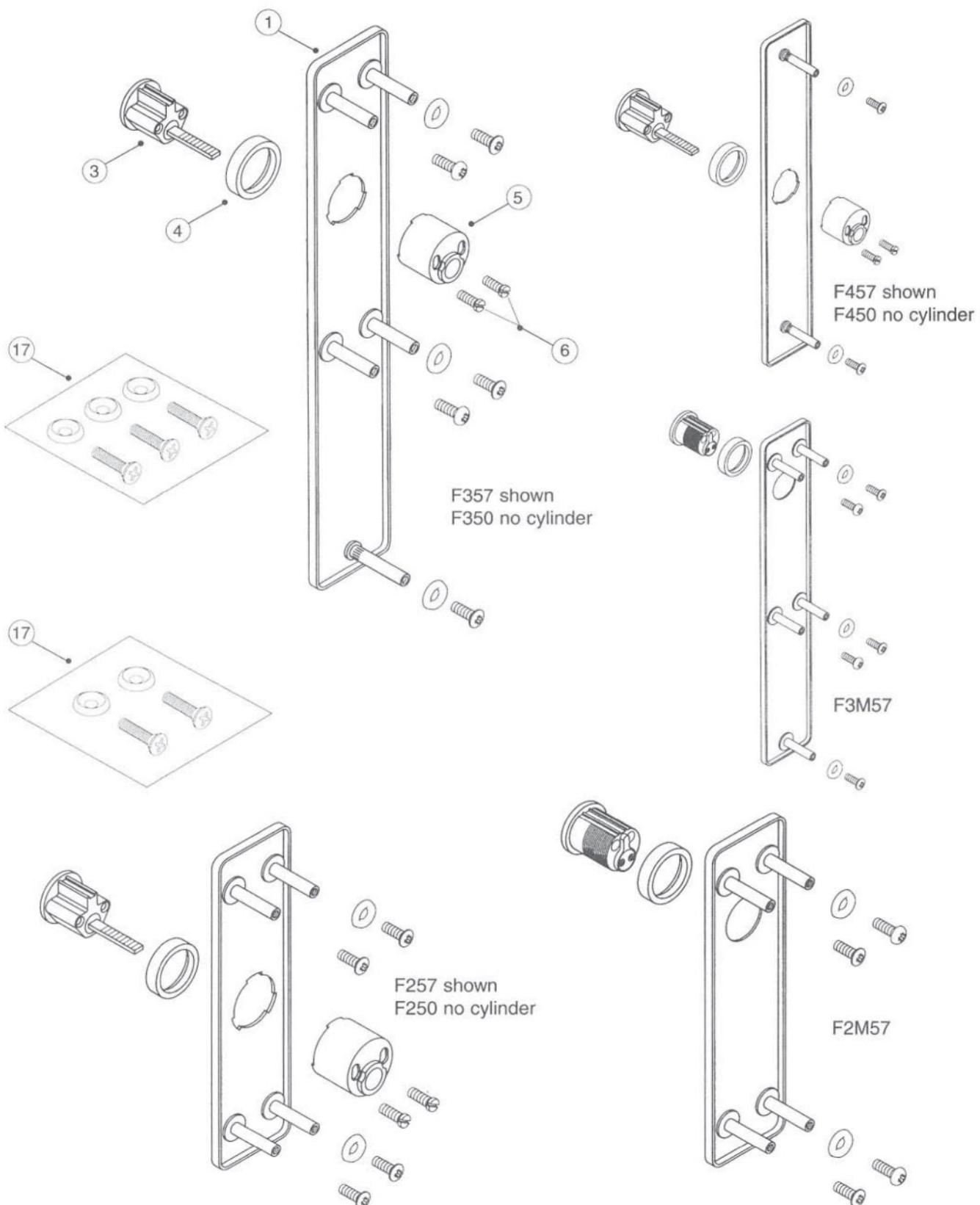


| <b>x designates grip letter(s)</b> |                                |
|------------------------------------|--------------------------------|
| <b>A</b> = Armstrong               | (Image of Armstrong grip)      |
| <b>C</b> = Citation                | (Image of Citation grip)       |
| <b>D</b> = Dirke                   | (Image of Dirke grip)          |
| <b>E</b> = Essex                   | (Image of Essex grip)          |
| <b>G</b> = Global                  | (Image of Global grip)         |
| <b>L</b> = Lustra (shown)          | (Image of Lustra grip)         |
| <b>N</b> = Newport                 | (Image of Newport grip)        |
| <b>O</b> = Thumbtturn operator     | (Image of Thumbtturn operator) |
| <b>PR</b> = Princeton              | (Image of Princeton grip)      |
| <b>R</b> = Regis                   | (Image of Regis grip)          |

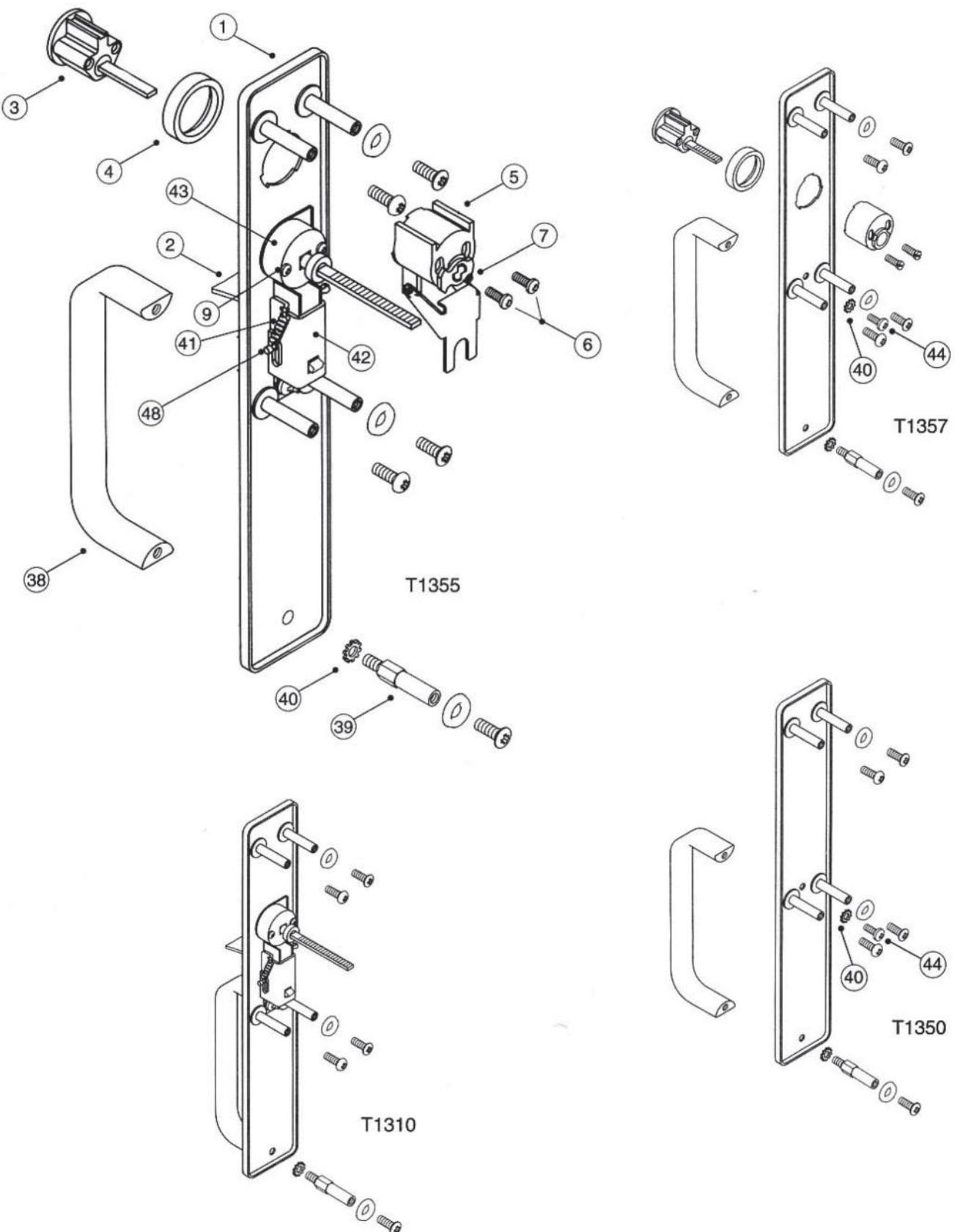
x850 no cylinder

| ITEM | PART NO.    | SPECIFY | DESCRIPTION   |
|------|-------------|---------|---|
| ①    |             |         | Escutcheon  |
|      | 651F11      | fin     | F250  |
|      | 651F12      | fin     | F257  |
|      | 651F21      | fin     | F2M57   |
|      | 651F15      | fin     | F350  |
|      | 651F16      | fin     | F357  |
|      | 651F24      | fin     | F3M57   |
|      | 651F00      | fin     | F450  |
|      | 651F01      | fin     | F457  |
| ③    | see page 36 |         | Rim (F2, F3, F4) or Mortise (F2M, F3M) Cylinder   |
| ④    | see chart   |         | Cylinder Collar   |
| ⑤    | 651F42-5    |         | Housing, Cylinder   |
| ⑥    | 655F02-8    |         | Screw, Cylinder Mounting (2)  |
| ⑯    |             |         | Screw Packet, Mounting<br>F2, F2M for 1 <sup>3</sup> / <sub>4</sub> " - 2" Door<br>F2, F2M for 2 <sup>1</sup> / <sub>4</sub> " Door<br>F3, F3M for 1 <sup>3</sup> / <sub>4</sub> " - 2" Door<br>F3, F3M for 2 <sup>1</sup> / <sub>4</sub> " Door<br>(F4 mounts with screws packed with device). |

| Cylinder Collar (Specify Finish)      |                                 |   |
|---------------------------------------|---------------------------------|---|
| Door Thickness                        |                                 | Cylinder Length                         |
| 1 <sup>3</sup> / <sub>4</sub> " to 2" | 2 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " mortise |
| 447F42                                | 447F41                          | 1 <sup>1</sup> / <sub>4</sub> " mortise |
| 610F02                                | 447F42                          | 1 <sup>1</sup> / <sub>4</sub> " mortise |
| 609F36                                | 610F02                          | 1 <sup>1</sup> / <sub>2</sub> " mortise |
| 270F15                                |                                 | 1 <sup>1</sup> / <sub>8</sub> " rim     |
| 654F07                                |                                 | 1 <sup>1</sup> / <sub>4</sub> " rim     |
| 654F08                                |                                 | 1 <sup>1</sup> / <sub>2</sub> " rim     |



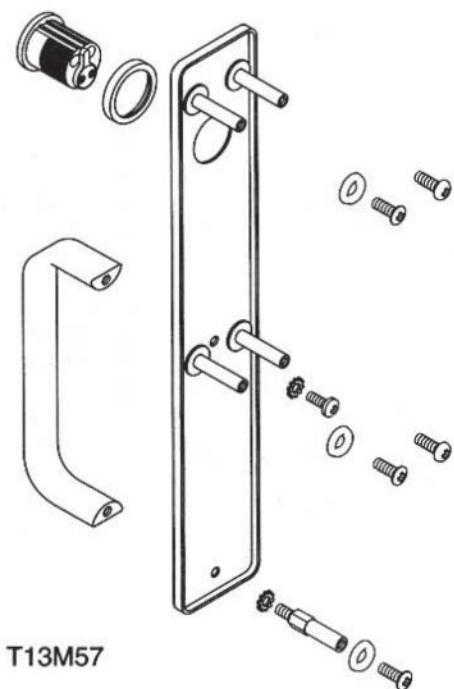
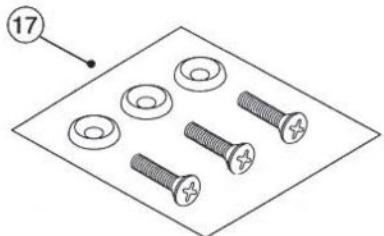
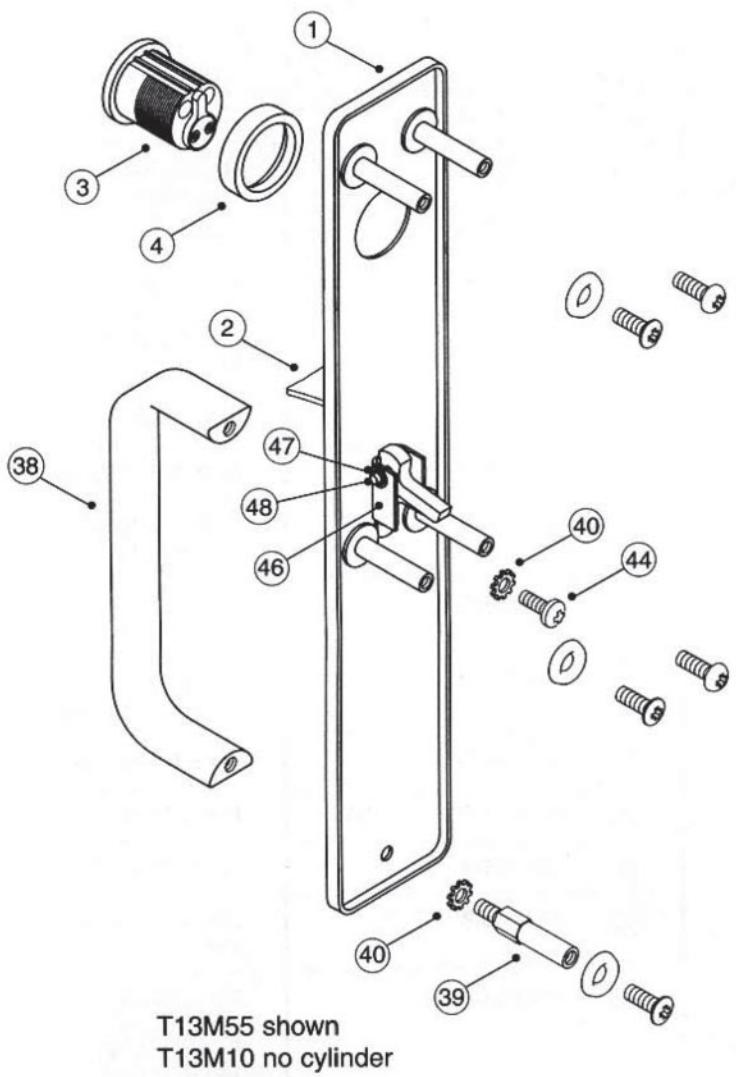
| ITEM | PART NO.                             | SPECIFY                  | DESCRIPTION   |
|------|--------------------------------------|--------------------------|---|
| ①    | 651F19<br>651F17<br>651F20<br>651F18 | fin<br>fin<br>fin<br>fin | Escutcheon<br>T1310<br>T1350<br>T1355<br>T1357  |
| ②    | 651F35                               | fin                      | Thumbpiece  |
| ③    | see page 36                          |                          | Rim Cylinder  |
| ④    | 270F15<br>654F07<br>654F08           | fin<br>fin<br>fin        | Cylinder Collar<br>1 1/8" Cylinder<br>1 1/4" Cylinder<br>1 1/2" Cylinder                            |
| ⑤    | 651F67-5<br>651F42-5                 |                          | Housing, Cylinder<br>T1355<br>T1357   |
| ⑥    | 655F02-8                             |                          | Screw, Cylinder Mounting (2)  |
| ⑦    | 656F65-8                             |                          | Screw, 55/59 Function   |
| ⑨    | 651F50-8                             |                          | Screw, Tailpiece Plate, #6 x 3/8" PHT-T-PH (2)  |
| ⑩    | 651F55-8<br>655F69-8                 |                          | Tailpiece Assembly<br>1 3/4" Door without Shim Kit<br>2" - 2 1/4" Door or 1 3/4" Door with Shim Kit |
| ⑯    | 652F14-8<br>652F15-8                 |                          | Screw Packet, Mounting<br>1 3/4" - 2" Doors<br>2 1/4" Doors   |
| ⑯    | 651F40-8                             |                          | Spring (not shown) Under Tailpiece  |
| ⑯    | 651F39-8                             |                          | Hex Nut / Bushing for Spring (not shown) T1310, T1355   |
| ⑯    | 651F36-2                             | fin                      | Pull, Straight  |
| ⑯    | 651F43-8                             |                          | Screw Post  |
| ⑯    | 651F44-8                             |                          | Lock Washer, Screw Post   |
| ⑯    | 651F47-8                             |                          | Spring, Thumbpiece  |
| ⑯    | 651F49-8                             |                          | Slider, Thumbpiece  |
| ⑯    | 651F54-5                             |                          | Housing, Tailpiece Assembly   |
| ⑯    | 651F41-8                             |                          | Screw, #1/4 -20 x 5/8" RHM-PH   |
| ⑯    | 651F48-8                             |                          | Pin, Thumbpiece   |



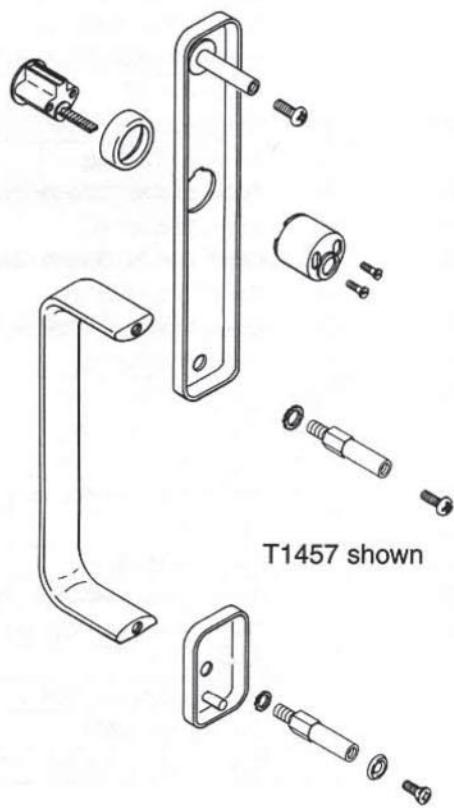
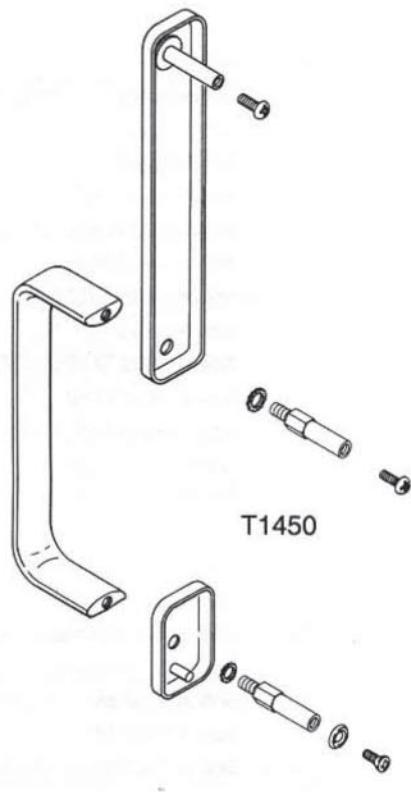
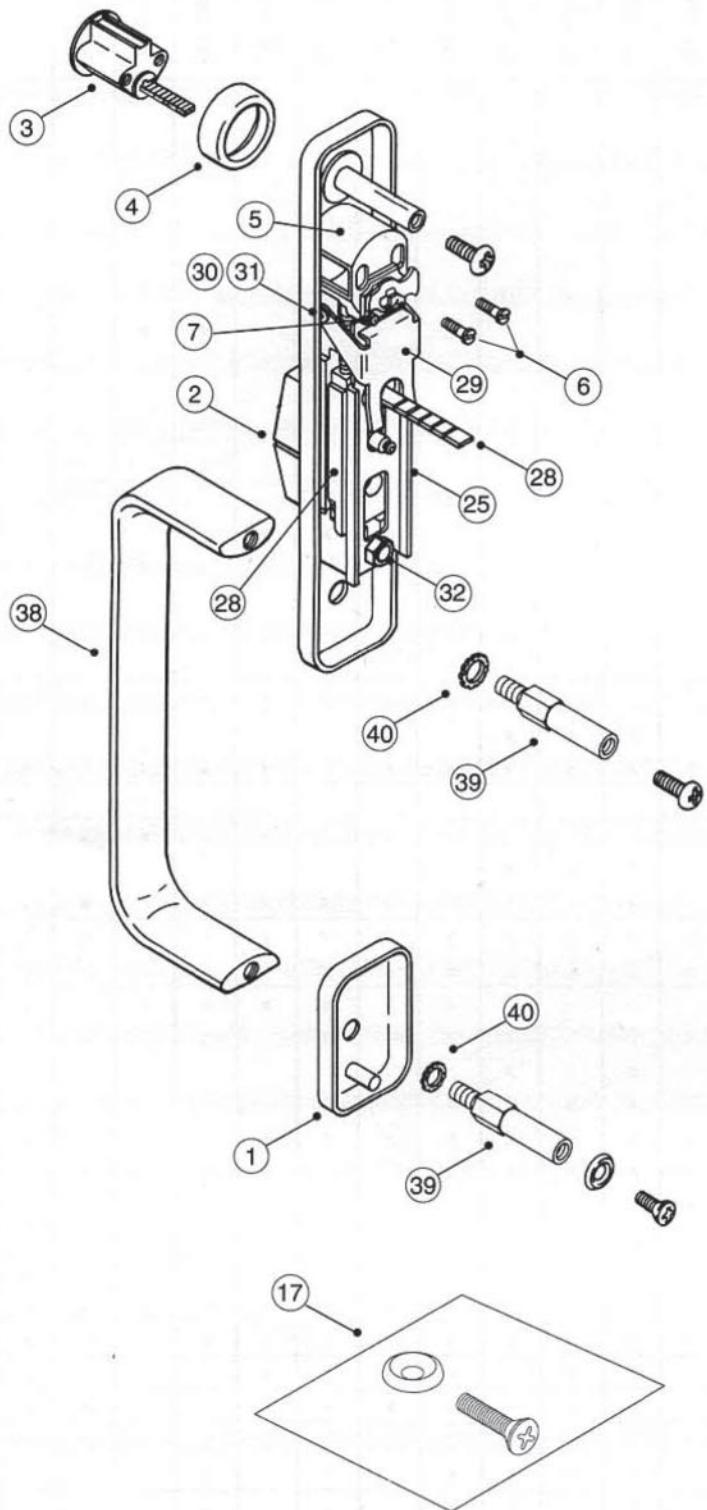
| ITEM | PART NO.    | SPECIFY | DESCRIPTION   |
|------|-------------|---------|---|
| ①    | 651F27      | fin     | Escutcheon<br>T13M10                                |
|      | 651F26      | fin     | T13M55  |
|      | 651F25      | fin     | T13M57  |
| ②    | 651F34      | fin     | Thumbpiece  |
| ③    | See page 36 |         | Mortise Cylinder                                    |
| ④    | see chart   |         | Cylinder Collar                                     |
| ⑯    |             |         | Screw Packet, Mounting<br>1¾" - 2" Door<br>2¼" Door |
| ⑯    | 652F14-8    |         |   |
|      | 652F15-8    |         |   |
| ⑯    | 651F36-2    | fin     | Pull, Straight                                      |
| ⑯    | 651F43-8    |         | Screw Post  |
| ⑯    | 651F44-8    |         | Lock Washer, Screw Post (2)                         |
| ⑯    | 651F59-8    |         | Spring, Thumbpiece                                  |
| ⑯    | 651F41-8    |         | Screw, #1/4-20 x 5/8" RHM-PH                        |
| ⑯    | 651F56-8    |         | Thumbpiece Tab (not shown)                          |
| ⑯    | 651F57-8    |         | Thumbpiece Bracket                                  |
| ⑯    | 651F60-8    |         | Retaining Ring (2)                                  |
| ⑯    | 651F58-7    |         | Pin, Thumbpiece                                     |

**Cylinder Collar (Specify Finish)**

| Door Thickness |        | Cylinder Length |
|----------------|--------|-----------------|
| 1¾" to 2"      | 2¼"    |                 |
| 447F42         | 447F41 | 1⅛" mortise     |
| 610F02         | 447F42 | 1¼" mortise     |
| 609F36         | 610F02 | 1½" mortise     |



| ITEM | PART NO.    | SPECIFY | DESCRIPTION   | ITEM | PART NO. | SPECIFY | DESCRIPTION   |
|------|-------------|---------|---|------|----------|---------|---|
| (1)  |             |         | Escutcheon  | (25) | 651F85-8 |         | Cover Plate   |
|      | 656F62      | fin     | O1410 Top   | (28) | 651F82-8 |         | Rack & Tailpiece Assembly                                       |
|      | 656F63      | fin     | O1455, O1459 Top  | (29) | 651F53-8 |         | Clutch Lever  |
|      | 651F09      | fin     | T1410 Top   | (30) | 651F83-8 |         | Pin, Clutch Lever   |
|      | 651F06      | fin     | T1450 Top   | (31) | 651F89-8 |         | Retainer, Clutch Lever Pin (2)                                  |
|      | 651F08      | fin     | T1455, T1459 Top  | (32) | 651F88-8 |         | Nut, Cover Plate (2)  |
|      | 651F04      | fin     | T1457 Top   | (33) | 652F22-8 |         | Hub (not shown)   |
|      | 651F10      | fin     | Bottom  | (34) | 652F23-9 |         | Bushing, Nylon (not shown)                                      |
| (2)  |             |         | Operator  | (35) | 651F84-8 |         | Washer, Grip (not shown)  |
|      | 651F35      | fin     | Thumbpiece (T14)  | (36) | 651F87-8 |         | Screw, Spindle #8-32 x 7/16", O14                               |
|      | 656F53      | fin     | Thumturn / Spindle Assy. (O14)                              | (37) | 651F86-8 |         | Rack Spring (2)   |
| (3)  | see page 36 |         | Rim Cylinder  | (38) | 651F37-2 | fin     | Pull, Offset  |
| (4)  |             |         | Cylinder Collar   | (39) | 651F43-8 |         | Screw Post (2)  |
|      | 270F15      | fin     | 1 1/8" Cylinder   | (40) | 651F44-8 |         | Lock Washer, Screw Post (2)                                     |
|      | 654F07      | fin     | 1 1/4" Cylinder   | (50) | 651F98-8 |         | Pin, Groove, (not shown) 5/32" x 1 1/8" for T1410, T1455, T1459 |
|      | 654F08      | fin     | 1 1/2" Cylinder   |      |          |         |   |
| (5)  |             |         | Housing   |      |          |         |   |
|      | 651F97-5    |         | 10 Function   |      |          |         |   |
|      | 651F42-5    |         | 57 Function   |      |          |         |   |
|      | 651F96-5    |         | 55/59 Function  |      |          |         |   |
| (6)  | 655F02-8    |         | Screw, Cylinder Mounting (2)                                |      |          |         |   |
| (7)  | 656F65-8    |         | Screw, 55/59 Function                                       |      |          |         |   |
| (16) | 651F38-9    |         | Thimble Insert, Nylon (not shown) O14 only                  |      |          |         |   |
| (17) |             |         | Screw Packet, Mounting                                      |      |          |         |   |
|      | 652F10-8    | fin     | 1 3/4"- 2" Door   |      |          |         |   |
|      | 652F11-8    | fin     | 2 1/4" Door   |      |          |         |   |
| (19) | 651F40-8    |         | Spring (not shown) Under Tailpiece for 10, 55, 57 Functions |      |          |         |   |



|   | Part Number | Specify | Description                         | ED 5000DB | ED 4200 | ED 4400 | ED 4800 | ED 5200 | ED 5200A | ED 5400 | ED 5400A | ED 5600 | ED 5600A | ED 5800 | ED 5800A |
|---|-------------|---------|-------------------------------------|-----------|---------|---------|---------|---------|----------|---------|----------|---------|----------|---------|----------|
| ① | 650F35-8    |         | Active Head                         |           |         |         |         | x       |          |         |          |         |          |         |          |
|   | 650F36-8    |         | Active Head                         |           |         |         |         |         | x        |         |          |         |          |         |          |
|   | 650F37-8    |         | Active Head                         |           | x       |         |         |         |          |         |          |         |          |         |          |
|   | 650F38-8    |         | Active Head RHR*                    |           |         |         |         |         |          | x       | x        |         |          |         |          |
|   | 650F39-8    |         | Active Head LHR*                    |           |         |         |         |         |          | x       | x        |         |          |         |          |
|   | 650F40-8    |         | Active Head RHR*                    |           | x       |         |         |         |          |         |          |         |          |         |          |
|   | 650F41-8    |         | Active Head LHR*                    |           | x       |         |         |         |          |         |          |         |          |         |          |
|   | 650F42-8    |         | Active Head                         |           |         |         |         |         |          |         |          | x       | x        |         |          |
|   | 650F43-8    |         | Active Head RHR*                    |           |         |         |         |         |          |         |          |         | x        | x       |          |
|   | 650F44-8    |         | Active Head LHR*                    |           |         |         |         |         |          |         |          |         | x        | x       |          |
|   | 650F45-8    |         | Active Head RHR*                    |           |         | x       |         |         |          |         |          |         |          |         |          |
|   | 650F46-8    |         | Active Head LHR*                    |           |         | x       |         |         |          |         |          |         |          |         |          |
| ② | 650F00      | fin     | Cover, Active Head                  |           |         |         |         |         | x        | x       |          |         |          |         |          |
|   | 650F01      | fin     | Cover, Active Head                  |           |         |         |         |         |          |         | x        | x       |          |         |          |
|   | 650F02      | fin     | Cover, Active Head                  |           |         |         |         |         |          |         |          | x       | x        | x       | x        |
|   | 650F03      | fin     | Cover, Active Head                  |           | x       |         |         |         |          |         |          |         |          |         |          |
|   | 650F04      | fin     | Cover, Active Head                  |           |         | x       |         |         |          |         |          |         |          |         |          |
|   | 650F05      | fin     | Cover, Active Head                  |           |         |         | x       |         |          |         |          |         |          |         |          |
| ③ | 650F19      | fin     | Bottom Rail 36"                     |           |         |         |         | x       | x        | x       | x        | x       | x        | x       | x        |
|   | 650F20      | fin     | Bottom Rail 36"                     |           | x       | x       | x       |         |          |         |          |         |          |         |          |
|   | 650F21      | fin     | Bottom Rail 48"                     | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ④ | 650F99-8    | fin     | Carrier Bar                         | x         |         |         |         |         |          |         |          |         |          |         |          |
| ⑤ | 650F22-8    |         | Bar & Carrier Assembly 36"          |           |         |         |         | x       | x        | x       | x        | x       | x        | x       | x        |
|   | 650F23-8    |         | Bar & Carrier Assembly 36"          |           | x       | x       | x       |         |          |         |          |         |          |         |          |
|   | 650F24-8    |         | Bar & Carrier Assembly 48"          | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ⑥ | 650F07      | fin     | Cover, Bar 36"                      | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
|   | 650F08      | fin     | Cover, Bar 48"                      | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ⑦ | 650F11      | fin     | Cover, End 36" std.                 |           |         |         |         | x       | x        | x       | x        | x       | x        | x       | x        |
|   | 650F12      | fin     | Cover, End 36" Cylinder Dogging     | x         |         |         |         | x       |          | x       |          | x       |          | x       | x        |
|   | 650F13      | fin     | Cover, End 36" std.                 | x         | x       | x       |         |         |          |         |          |         |          |         |          |
|   | 650F14      | fin     | Cover, End 36" Cylinder Dogging     | x         | x       | x       | x       |         |          |         |          |         |          |         |          |
|   | 650F15      | fin     | Cover, End All 48" std.             | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
|   | 650F16      | fin     | Cover, End All 48" Cylinder Dogging | x         | x       | x       | x       | x       |          | x       |          | x       |          | x       | x        |
|   | 650F93      | fin     | Cover, End Dummy                    | x         |         |         |         |         |          |         |          |         |          |         |          |
| ⑧ | 650F10-5    | 622     | Touch Pad Cap, Front                |           | x       |         |         |         |          |         |          |         |          |         |          |
| ⑨ | 650F09-5    | 622     | Touch Pad Cap, Rear                 |           | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ⑩ | 650F18-9    |         | Bar Cap, Black Nylon                |           | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ⑪ | 653F46      | fin     | End Cap & Liner Assembly            | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       | x        |
| ⑫ | 650F48-9    |         | Trim Slide                          |           | x       | x       | x       | x       | x        | x       | x        | x       |          | x       | x        |
| ⑬ | 650F49-8    |         | Trim Slide Retainer                 |           | x       | x       | x       | x       | x        | x       | x        | x       |          | x       | x        |
| ⑭ | 650F52-8    |         | Dogging Assembly Std.               | x         | x       | x       | x       |         |          | x       |          | x       |          | x       | x        |
|   | 650F96-8    |         | Dogging Assembly Cyl. Typ. (M52)    | x         | x       | x       | x       |         |          | x       |          | x       |          | x       | x        |
| ⑮ | 656F40-8    |         | Dogging Key                         | x         | x       | x       | x       |         |          | x       |          | x       |          | x       | x        |
| ⑯ | 650F27-9    |         | Dogging Hole Plug (M51)             | x         | x       | x       | x       | x       |          | x       | x        | x       | x        | x       | x        |
| ⑰ | 650F94-2    |         | Cylinder Nut (M52)                  | x         | x       | x       | x       |         |          | x       |          | x       |          | x       | x        |
| ⑲ | 650F95-5    |         | Cylinder Spacer Sleeve (M52)        | x         | x       | x       | x       |         |          | x       |          | x       |          | x       | x        |

\* Field Reversible

| Part Number         | Specify | Description                    | ED 5000DB | ED 4200 | ED 4400 | ED 4800 | ED 5200 | ED 5200A | ED 5400 | ED 5400A | ED 5600 | ED 5600A | ED 5800 | ED 5800A |
|---------------------|---------|--------------------------------|-----------|---------|---------|---------|---------|----------|---------|----------|---------|----------|---------|----------|
| (21) 650F32-8       |         | End Clamp Packet               |           | x       | x       | x       | x       |          | x       |          | x       |          | x       |          |
| 650F33-8            |         | End Clamp Packet               | x         |         |         |         | x       |          | x       |          | x       |          | x       |          |
| (22) 650F28-8       | 622     | Screw, Touch Bar Caps          |           | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |
| (23) 650F34         | fin     | Screw Packet, Cover            | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |
| (24) 650F53-8       |         | Screw, Dogging Assembly        |           | x       | x       | x       | x       |          | x       |          | x       |          | x       |          |
| (25) 220F70-8       |         | Screw, Trim Slide              |           | x       | x       | x       | x       | x        | x       | x        |         | x        | x       |          |
| (26) 650F51-8       |         | Screw, Latch Head to Carrier   |           | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |
| (27) 654F20-8       |         | Mounting Packet                |           | x       | x       | x       | x       |          | x       |          | x       |          | x       |          |
| (28) 652F29         |         | Sex Nut Packet                 |           | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |
| (30) 650F29-8       |         | Strike Packet                  |           |         |         |         | x       |          |         |          |         |          |         |          |
| 650F30-8            |         | Strike Packet                  |           |         |         |         |         | x        |         |          |         |          |         |          |
| 650F31-8            |         | Strike Packet                  | x         |         |         |         |         |          |         |          |         |          |         |          |
| (31) 650F54-8       | 622     | Top Strike Packet              |           |         | x       | x       |         |          | x       | x        |         | x        | x       |          |
| (32) 650F64         |         | Cover, Top & Bottom Latch      |           |         | x       |         |         |          | x       | x        |         |          |         |          |
| (33) 650F55-8       |         | Top Latch                      |           |         | x       |         |         |          | x       |          |         |          |         |          |
| 650F56-8            |         | Top Latch                      |           |         |         |         |         |          |         | x        |         |          |         |          |
| (34) 650F57-8       |         | Mounting Pack                  |           |         | x       |         |         |          | x       | x        |         |          |         |          |
| (35) 650F58-8       |         | Bottom Bolt Case               |           |         | x       |         |         |          | x       |          |         |          |         |          |
| 650F59-8            |         | Bottom Bolt Case               |           |         |         |         |         |          |         | x        |         |          | x       |          |
| 650F74-8            |         | Bottom Bolt Case               |           |         |         |         |         |          |         |          |         |          | x       |          |
| 650F75-8            |         | Bottom Bolt Case               |           |         |         |         |         |          |         |          |         |          | x       |          |
| 650F76-8            |         | Bottom Bolt Case               |           |         |         | x       |         |          |         |          |         |          |         |          |
| (36) 650F60         | fin     | Top Rod                        |           |         |         | x       |         |          | x       | x        |         |          |         |          |
| 650F80              | fin     | Top Rod                        |           |         |         | x       |         |          |         |          | x       | x        |         |          |
| (37) 649F99         | fin     | Bottom Rod & Pin Assembly      |           |         |         | x       |         |          | x       | x        |         |          |         |          |
| (38) 650F63         | fin     | Rod Guide Cover                |           |         |         | x       |         |          | x       | x        |         |          |         |          |
| (39) 650F62         | fin     | Rod Guide Packet               |           |         |         | x       |         |          | x       | x        |         |          |         |          |
| (40) 650F97-8       |         | Pillow Block Packet            |           |         | x       |         |         |          |         |          |         |          |         |          |
| (41) 654F21-8       |         | Latch Packet                   |           |         | x       |         |         |          | x       | x        |         |          |         |          |
| (42) 650F66 thru 70 |         | Mortise Lock Body              |           |         |         |         |         |          |         |          | x       | x        |         |          |
| (43) 650F06         | fin     | Armored Front                  |           |         |         |         |         |          |         |          | x       | x        |         |          |
| (44) 429F41         | fin     | Screw Packet for Armored Front |           |         |         |         |         |          |         |          | x       | x        |         |          |
| (45) 650F65-8       | 622     | Strike Packet                  |           |         |         |         |         |          |         |          | x       | x        |         |          |
| (46) 650F77-8       |         | Bottom Bolt Pack               |           |         |         | x       |         |          |         |          |         |          |         |          |
| 650F78-8            |         | Bottom Bolt Pack               |           |         |         |         |         |          |         |          |         | x        | x       |          |
| (47) 650F71-8       |         | Top Latch & Bracket Assembly   |           |         |         |         |         |          |         |          |         |          | x       |          |
| 650F72-8            |         | Top Latch & Bracket Assembly   |           |         |         |         |         |          |         |          |         |          | x       |          |
| 650F73-8            |         | Top Latch & Bracket Assembly   |           |         |         | x       |         |          |         |          |         |          |         |          |
| (49) 650F79-8       |         | Bottom Rod & Coupler Assembly  |           |         |         | x       |         |          |         |          |         | x        | x       |          |
| (51) 650F81-8       |         | Top Rod Tube                   |           |         |         | x       |         |          |         |          |         | x        | x       |          |
| (52) 650F82-8       |         | Rod & Yoke Assembly            |           |         |         | x       |         |          |         |          |         | x        | x       |          |
| (53) 656F41         |         | Touch Pad Spring               | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |
| (54) 656F66-8       |         | Screw                          | x         | x       | x       | x       | x       | x        | x       | x        | x       | x        | x       |          |

|   |                |         |                          | x710   | x750  | x755<br>x759 | x7M10 | x7M50  | x7M55<br>x7M57 | x810   | x850  | x855<br>x859 |
|---|----------------|---------|--------------------------|--------|-------|--------------|-------|--------|----------------|--------|-------|--------------|
|   | Part<br>Number | Specify | Description              | Levers | Knobs | Levers       | Knobs | Levers | Knobs          | Levers | Knobs | Levers       |
| ① | 651F00         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F01         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F04         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F06         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F08         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F09         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F10         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F11         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F12         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F13         | fin     | Escutcheon               | x      | x     | x            | x     |        |                |        |       |              |
|   | 651F14         | fin     | Escutcheon               |        |       |              | x     | x      |                |        |       |              |
|   | 651F15         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F16         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F17         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F18         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F19         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F20         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F21         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F24         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F25         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F26         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 651F27         | fin     | Escutcheon               |        |       |              |       |        |                |        |       |              |
|   | 656F54         | fin     | Escutcheon               |        |       |              | x     | x      | x              |        |       |              |
|   | 656F55         | fin     | Escutcheon               |        |       |              | x     | x      |                |        |       |              |
|   | 656F56         | fin     | Escutcheon               |        |       |              |       |        |                | x      |       |              |
|   | 656F57         | fin     | Escutcheon               |        |       |              |       |        | x              |        |       |              |
|   | 656F58         | fin     | Escutcheon               |        |       |              |       |        |                |        | x     |              |
|   | 656F59         | fin     | Escutcheon               |        |       |              |       |        |                |        | x     |              |
|   | 656F60         | fin     | Escutcheon               |        |       |              |       |        |                | x      | x     |              |
|   | 656F61         | fin     | Escutcheon               |        |       |              |       |        |                | x      | x     |              |
|   | 656F62         | fin     | Escutcheon               |        |       |              |       |        |                |        |       | x            |
|   | 656F63         | fin     | Escutcheon               |        |       |              |       |        |                |        |       | x            |
| ② | 651F34         | fin     | Operator Thumbpiece      |        |       |              |       |        |                |        |       |              |
|   | 651F35         | fin     | Operator Thumbpiece      |        |       |              |       |        |                |        |       |              |
|   | 656F53         | fin     | Operator Thumbturn       |        |       |              |       |        |                |        |       |              |
| ⑤ | 651F42-5       |         | Housing                  |        |       |              |       |        |                | x      | x     | x            |
|   | 651F66-5       |         | Housing/Cam Assembly     |        |       |              |       |        |                | x      | x     | x            |
|   | 651F67-5       |         | Housing/Cam Assembly     |        |       | x            | x     |        |                |        |       |              |
|   | 651F96-5       |         | Housing/Cam Assembly     |        |       |              |       |        |                |        | x     | x            |
|   | 651F97-5       |         | Housing                  |        |       |              |       |        |                |        |       |              |
| ⑥ | 655F02-8       |         | Screw, Cylinder Mounting |        |       | x            | x     |        |                |        | x     | x            |
| ⑦ | 656F65-8       |         | Screw, Function          |        |       | x            | x     |        |                |        | x     | x            |

|   | F250 | F257 | F2M57 | F350 | F357 | F3M57 | F450 | F457 | T1310 | T1350 | T1355 | T1357 | T13M10 | T13M55 | T13M57 | O1410 | O1455/59 | T1410 | T1450 | T1455/59 | T1457 |
|---|------|------|-------|------|------|-------|------|------|-------|-------|-------|-------|--------|--------|--------|-------|----------|-------|-------|----------|-------|
| ① |      |      |       |      |      |       | x    |      |       |       |       |       |        |        |        |       |          |       |       |          | x     |
|   | x    |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       | x     | x        | x     |
|   |      | x    |       |      |      |       |      |      |       | x     |       |       |        |        |        |       |          |       | x     | x        | x     |
|   |      |      | x     |      |      |       |      |      |       | x     |       |       |        |        |        |       |          |       | x     | x        | x     |
|   |      |      |       | x    |      |       |      |      |       | x     |       |       |        |        |        |       |          |       | x     | x        | x     |
|   |      |      |       |      | x    |       |      |      |       |       | x     |       |        |        |        |       |          |       | x     | x        | x     |
|   |      |      |       |      |      | x     |      |      |       |       | x     |       |        |        |        |       |          |       | x     | x        | x     |
|   |      |      |       |      |      |       | x    |      |       |       |       | x     |        |        |        |       |          |       | x     | x        | x     |
| ② |      |      |       |      |      |       |      | x    |       | x     |       |       |        |        |        |       |          | x     | x     | x        | x     |
| ⑤ | x    |      |       | x    |      | x     |      |      |       | x     |       | x     |        |        |        | x     | x        | x     | x     | x        | x     |
| ⑥ | x    |      |       | x    |      | x     |      | x    |       | x     | x     |       |        |        |        | x     | x        | x     | x     | x        | x     |
| ⑦ |      |      |       |      |      |       |      |      |       | x     |       |       |        |        |        | x     | x        | x     | x     | x        | x     |

|      |                |         | x710                        | x750   | x755<br>x759 | x7M10  | x7M50 | x7M55<br>x7M57 | x810  | x850   | x855<br>x859 |
|------|----------------|---------|-----------------------------|--------|--------------|--------|-------|----------------|-------|--------|--------------|
|      | Part<br>Number | Specify | Description                 | Levers | Knobs        | Levers | Knobs | Levers         | Knobs | Levers | Knobs        |
| (8)  | 651F63-8       |         | Gear/Black Housing Assembly | x      | x            |        | x     | x              |       |        |              |
| (9)  | 651F50-8       |         | Screw, Tailpiece Plate      | x      | x            |        | x     | x              |       |        |              |
| (10) | 651F55-8       |         | Tailpiece Assembly          |        |              |        |       |                |       |        |              |
|      | 651F71-8       |         | Tailpiece Assembly          | x      | x            |        | x     | x              |       |        |              |
|      | 655F69-8       |         | Tailpiece Assembly          |        |              |        |       |                |       |        |              |
|      | 655F70-8       |         | Tailpiece Assembly          | x      | x            |        | x     | x              |       |        |              |
| (11) | 651F64-8       |         | Gear                        | x      |              |        | x     |                |       |        |              |
|      | 651F77-8       |         | Gear                        |        | x            |        |       | x              |       |        |              |
|      | 655F54-8       |         | Gear                        |        | x            |        |       |                |       |        |              |
|      | 655F55-8       |         | Gear                        |        |              | x      |       |                |       |        |              |
| (12) | 651F65-5       |         | Hub                         | x      |              | x      |       |                |       |        |              |
|      | 656F64         |         | Hub & Pin Assembly          | x      |              |        | x     |                |       |        |              |
| (13) | 651F72-8       |         | Hub Bushing                 | x      |              | x      |       |                |       |        |              |
| (14) | 651F66-8       |         | Cotter Pin                  | x      | x            |        | x     | x              |       |        |              |
| (15) | 651F73-8       |         | Nut, Spindle                | x      |              | x      |       |                |       |        |              |
|      | 652F08-8       |         | Nut, Spindle                |        |              |        |       | x              | x     | x      |              |
|      | 652F09-8       |         | Nut, Spindle                |        |              |        |       | x              | x     | x      |              |
| (16) | 118F29-9       |         | Thimble Insert, Nylon       | x      | x            | x      | x     | x              | x     | x      | x            |
|      | 651F38-9       |         | Thimble Insert, Nylon       | x      | x            | x      | x     | x              | x     | x      | x            |
| (17) | 652F10-8       | fin     | Screw Packet, Mounting      |        |              |        |       |                |       |        |              |
|      | 652F11-8       | fin     | Screw Packet, Mounting      |        |              |        |       |                |       |        |              |
|      | 652F12-8       | fin     | Screw Packet, Mounting      | x      | x            | x      | x     | x              | x     | x      | x            |
|      | 652F13-8       | fin     | Screw Packet, Mounting      | x      | x            | x      | x     | x              | x     | x      | x            |
|      | 652F14-8       | fin     | Screw Packet, Mounting      |        |              |        |       |                |       |        |              |
|      | 652F15-8       | fin     | Screw Packet, Mounting      |        |              |        |       |                |       |        |              |
| (18) | 651F61-8       |         | Spring, Return LHR          | x      |              | x      |       |                |       |        |              |
|      | 651F62-8       |         | Spring, Return RHR          | x      |              | x      |       |                |       |        |              |
|      | 651F75-5       |         | Spring, Return              | x      |              | x      |       |                |       |        |              |
| (19) | 651F40-8       |         | Spring                      | x      | x            | x      | x     |                |       | x      | x            |
| (20) | 651F39-8       |         | Hex Nut                     | x      | x            | x      | x     |                |       |        |              |
| (21) | 651F70-8       |         | Washer under Tailpiece      | x      | x            | x      | x     |                |       |        |              |
| (22) | 651F78-8       |         | Nut, Spindle Gear           | x      | x            | x      |       |                |       |        |              |
|      | 651F79-8       |         | Nut, Spindle Gear           |        | x            |        |       |                |       |        |              |
| (23) | 652F05-8       |         | Spindle Washer              |        |              |        | x     | x              | x     |        |              |
|      | 652F06-8       |         | Spindle Washer              |        |              |        | x     | x              | x     |        |              |
| (24) | 652F04-8       |         | Spindle Bracket             |        |              |        | x     | x              | x     |        |              |
|      | 652F07-8       |         | Spindle Bracket -           |        |              |        | x     | x              | x     |        |              |
| (25) | 651F85-8       |         | Cover Plate                 |        |              |        |       |                |       | x      | x            |
| (26) | 651F94-8       |         | Spring, Extension           |        |              |        |       |                |       | x      | x            |
| (27) | 651F92-8       |         | Nut, Spring Post            |        |              |        |       |                |       | x      | x            |
| (28) | 651F82-8       |         | Rack/Tailpiece Assembly     |        |              |        |       |                |       | x      | x            |
|      | 652F21-8       |         | Rack/Tailpiece Assembly     |        |              |        |       |                |       | x      | x            |

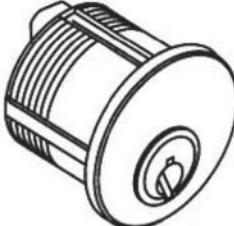
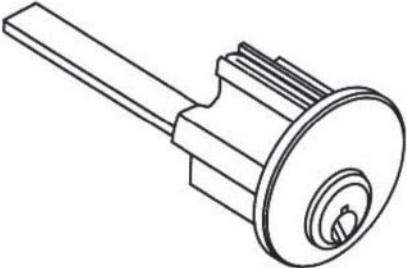
|      | F250 | F257 | F2M57 | F350 | F357 | F3M57 | F450 | F457 | T1310 | T1350 | T1355 | T1357 | T13M10 | T13M55 | T13M57 | O1410 | O1455/59 | T1410 | T1450 | T1455/59 | T1457 |
|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|-------|--------|--------|--------|-------|----------|-------|-------|----------|-------|
| (8)  |      |      |       |      |      |       |      |      | x     |       | x     |       |        |        |        |       |          |       |       |          |       |
| (9)  |      |      |       |      |      |       |      |      |       | x     | x     |       |        |        |        |       |          |       |       |          |       |
| (10) |      |      |       |      |      |       |      |      | x     |       | x     |       |        |        |        |       |          |       |       |          |       |
| (11) |      |      |       |      |      |       |      |      |       | x     | x     |       |        |        |        |       |          |       |       |          |       |
| (12) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (13) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (14) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (15) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (16) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       | x        | x     |       |          |       |
| (17) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       | x        | x     | x     | x        | x     |
|      | x    | x    | x     |      |      |       |      |      |       | x     | x     | x     | x      | x      | x      |       | x        | x     | x     | x        | x     |
|      | x    | x    | x     |      |      |       |      |      |       | x     | x     | x     | x      | x      | x      |       | x        | x     | x     | x        | x     |
|      |      |      |       | x    | x    | x     |      |      |       | x     | x     | x     | x      | x      | x      |       |          |       |       |          |       |
| (18) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (19) |      |      |       |      |      |       |      |      |       | x     | x     |       |        |        |        | x     | x        | x     |       | x        |       |
| (20) |      |      |       |      |      |       |      |      |       | x     | x     |       |        |        |        |       |          |       |       |          |       |
| (21) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (22) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (23) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (24) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (25) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     |       | x        |       |
| (26) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (27) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (28) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     |       | x        |       |

| Part Number   | Specify | Description                 | x710   |       | x750   |       | x755<br>x759 |       | x7M10  |       | x7M50  |       | x7M55<br>x7M57 |       | x810   |       | x850   |       | x855<br>x859 |       |
|---------------|---------|-----------------------------|--------|-------|--------|-------|--------------|-------|--------|-------|--------|-------|----------------|-------|--------|-------|--------|-------|--------------|-------|
|               |         |                             | Levers | Knobs | Levers | Knobs | Levers       | Knobs | Levers | Knobs | Levers | Knobs | Levers         | Knobs | Levers | Knobs | Levers | Knobs | Levers       | Knobs |
| (29) 651F53-8 |         | Clutch Lever                |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        | x     | x            |       |
| (30) 651F83-8 |         | Pin, Clutch Lever           |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        | x     | x            |       |
| (31) 651F89-8 |         | Retainer, Clutch Lever Pin  |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        | x     | x            |       |
| (32) 651F88-8 |         | Nut, Cover Plate            |        |       |        |       |              |       |        |       |        |       |                |       | x      | x     | x      | x     | x            |       |
| (33) 652F22-8 |         | Hub                         |        |       |        |       |              |       |        |       |        |       |                | x     | x      | x     | x      | x     | x            |       |
| (34) 652F23-9 |         | Bushing, Nylon              |        |       |        |       |              |       |        |       |        |       | x              | x     | x      | x     | x      | x     |              |       |
| (35) 651F84-8 |         | Washer Grip                 |        |       |        |       |              |       |        |       |        |       | x              | x     | x      | x     | x      | x     |              |       |
| (36) 651F87-8 |         | Screw, Spindle              |        |       |        |       |              |       |        |       |        |       | x              | x     | x      | x     | x      | x     |              |       |
| (37) 651F86-8 |         | Spring, Rack                |        |       |        |       |              |       |        |       |        |       | x              | x     | x      |       | x      | x     |              |       |
| 651F93-8      |         | Spring, Rack                |        |       |        |       |              |       |        |       |        |       | x              | x     | x      |       | x      |       |              |       |
| (38) 651F36-2 | fin     | Pull, Straight              |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| 651F37-2      | fin     | Pull, Offset                |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (39) 651F43-8 |         | Screw Post                  |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (40) 651F44-8 |         | Lock Washer, Screw Post     |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (41) 651F47-8 |         | Spring, Thumbpiece          |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| 651F59-8      |         | Spring, Thumbpiece          |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (42) 651F49-8 |         | Slider, Thumbpiece          |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (43) 651F54-5 |         | Housing, Tailpiece Assembly |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (44) 651F41-8 |         | Screw                       |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (45) 651F56-8 |         | Thumbpiece Tab              |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (46) 651F57-8 |         | Thumbpiece Bracket          |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (47) 651F60-8 |         | Retaining Ring              |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (48) 651F48-8 |         | Pin, Thumbpiece             |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| 651F58-7      |         | Pin, Thumbpiece             |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (49) 651F28   |         | Thimble                     | x      |       | x      |       | x            |       | x      |       |        |       |                |       |        |       |        |       |              |       |
| 652F19        |         | Thimble                     | x      |       | x      |       | x            |       |        |       |        |       |                |       |        |       |        |       |              |       |
| (50) 651F98-8 |         | Pin, Groove                 |        |       |        |       |              |       |        |       |        |       |                |       |        |       |        |       |              |       |

|      | F250 | F257 | F2M57 | F350 | F357 | F3M57 | F450 | F457 | T1310 | T1350 | T1355 | T1357 | T13M10 | T13M55 | T13M57 | O1410 | O1455/59 | T1410 | T1450 | T1455/59 | T1457 |
|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|-------|--------|--------|--------|-------|----------|-------|-------|----------|-------|
| (29) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        |       |       | x        |       |
| (30) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        |       |       | x        |       |
| (31) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     |          |       |       | x        |       |
| (32) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     |       | x        |       |
| (33) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     | x     | x        |       |
| (34) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     | x     | x        |       |
| (35) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        |       |       | x        |       |
| (36) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        |       |       | x        |       |
| (37) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        | x     | x        | x     |       | x        |       |
| (38) |      |      |       |      |      |       |      |      | x     | x     | x     | x     | x      | x      | x      | x     | x        | x     | x     | x        | x     |
| (39) |      |      |       |      |      |       |      |      | x     | x     | x     | x     | x      | x      | x      | x     | x        | x     | x     | x        | x     |
| (40) |      |      |       |      |      |       |      |      | x     | x     | x     | x     | x      | x      | x      | x     | x        | x     | x     | x        | x     |
| (41) |      |      |       |      |      |       |      |      | x     |       | x     |       |        |        | x      | x     |          |       |       |          |       |
| (42) |      |      |       |      |      |       |      |      | x     |       | x     |       |        |        |        |       |          |       |       |          |       |
| (43) |      |      |       |      |      |       |      |      | x     |       | x     |       |        |        |        |       |          |       |       |          |       |
| (44) |      |      |       |      |      |       |      |      | x     | x     | x     | x     | x      | x      | x      |       |          |       |       |          |       |
| (45) |      |      |       |      |      |       |      |      |       |       |       | x     | x      |        |        |       |          |       |       |          |       |
| (46) |      |      |       |      |      |       |      |      |       |       |       | x     | x      |        |        |       |          |       |       |          |       |
| (47) |      |      |       |      |      |       |      |      |       |       |       | x     | x      |        |        |       |          |       |       |          |       |
| (48) |      |      |       |      |      |       |      |      |       | x     |       | x     |        | x      |        | x     | x        |       |       |          |       |
| (49) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       |          |       |       |          |       |
| (50) |      |      |       |      |      |       |      |      |       |       |       |       |        |        |        |       | x        |       | x     |          |       |

## Cylinders

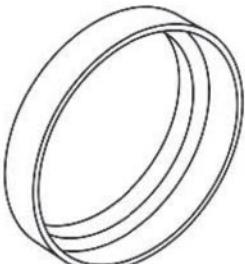
Specify Part Number x Keyway x Finish (e.g., 1000-118-A02 x L4 x 626).

| Cylinder Type  | Part Number   | Description   |
|--|---|---|
|   | 1000-118-A02<br>1000-114-A02-7<br>1010-118-A02<br>1080-114-A02<br>1070-114-A02<br>1090-114-A02<br>1012-114-A02          | 6 - pin, 1 1/8" straight cam<br>7 - pin, 1 1/8" straight cam<br>6 - pin, 1 1/8" high security, straight cam<br>6 - pin, 1 1/8" interchangeable core (IC) straight cam<br>6 - pin, 1 1/4" IC less core<br>6 - pin, 1 1/4" IC high security straight cam<br>6 - pin, 1 1/4" high security with blockout |
| Mortise (ED5600, ED5600A and cylinder dogging only)                                |   |   |
|  | 3000-138*<br>3000-138-7*<br>3010-138*<br>3012-114*<br>3080-114*<br>3070-114*<br>3070-114-7*<br>3080-114-7*<br>3090-114* | 6 - pin, horizontal tailpiece<br>7 - pin, horizontal tailpiece<br>6 - pin, horizontal tailpiece high security<br>6 - pin, blockout function high security<br>6 - pin, 1 1/8" interchangeable core (IC)<br>6 - pin, IC less core<br>7 - pin, IC less core<br>7 - pin, IC<br>6 - pin, high security IC  |
| Rim (non-mortise trim only)  |   |   |

\*For 57 function trim, change "-138" to "-200" and change "-114" to "-178".

## Cylinder Collars

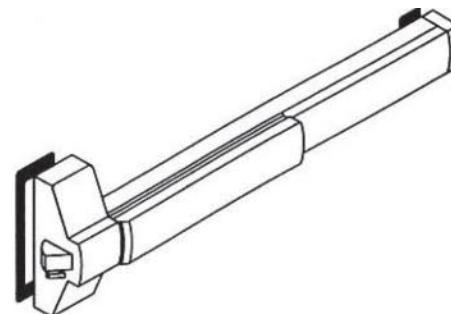
To order separately, specify Part Number x Finish

|   | Cylinder Length | Cylinder Mechanism   | Application               | Collar |
|---|-----------------|--|---------------------------|--------|
|  | 1 1/8"          | 6 - pin conventional<br>High security                              | Rim and vertical rod trim | 270F15 |
|   |                 |  | Mortise 1 3/4" - 2" door  | 447F42 |
|   |                 |  | Mortise 2 1/4" door       | 447F41 |
|   |                 |  | Dogging cylinder          | None   |
|   | 1 1/4"          | 7 - pin conventional<br>6 - pin IC<br>High security IC<br>Blockout | Rim and vertical rod trim | 654F07 |
|   |                 |  | Mortise 1 3/4" - 2" door  | 610F02 |
|   |                 |  | Mortise 2 1/4" door       | 447F42 |
|   |                 |  | Dogging cylinder          | 270F15 |
|   | 1 1/2"          | 7 - pin IC   | Rim and vertical rod trim | 654F08 |
|   |                 |  | Mortise 1 3/4" - 2" door  | 609F36 |
|   |                 |  | Mortise 2 1/4" door       | 610F02 |
|   |                 |  | Dogging cylinder          | 654F07 |

**Shim Kits**

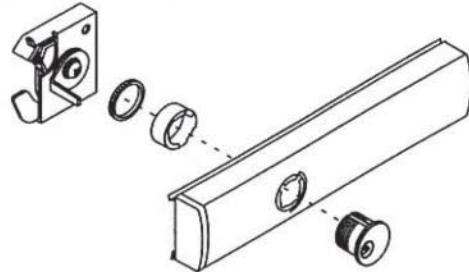
Designed for mounting an exit device over raised vision light molding. Each kit contains the parts required to shim a device  $\frac{1}{4}$ ". Black finish.

| Exit Device Type | Shim Kit Part No. |
|------------------|-------------------|
| ED5200(A)        | 697F33-8          |
| ED5600(A)        | 697F33-8          |
| ED5800(A)        | 697F33-8          |
| ED5400(A)        | 697F34-8          |
| ED4200           | 697F35-8          |
| ED4800           | 697F35-8          |
| ED4400           | 697F36-8          |

**Cylinder Dogging Kits**

Designed to convert a panic device from hex key dogging to cylinder dogging.  
Not permitted on fire-rated devices.

| Bar Length | Cylinder Dogging Kit Part No. |
|------------|-------------------------------|
| 36"        | 653F12                        |
| 48"        | 653F14                        |

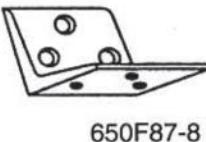
**Surface and Concealed Vertical Rod Extension Kits**

Used to extend the height of standard length rods supplied with ED4400, ED4800, ED5400(A), and ED5800(A) Series exit devices.

| Rod Extension | Kit Part Number<br>(Specify Finish) |
|---------------|-------------------------------------|
| 2"            | 655F15                              |
| 6"            | 655F16                              |
| 12"           | 655F17                              |

**Flush Transom Top Strike Bracket**

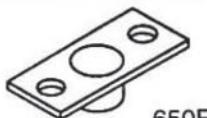
Optional for use with ED4400 and ED5400(A) devices. Used to mount top strike on openings with flush transom.  $2\frac{1}{2}$ " x  $1\frac{5}{8}$ ". Black finish only.



650F87-8

**Bottom Strike for  $\frac{1}{2}$ " Thresholds**

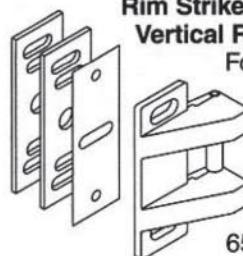
Optional for use with ED4400, ED4800, ED5400(A) and ED5800(A) devices. Required in fire-rated openings with  $\frac{1}{2}$ " threshold or for flush mount.  $2\frac{5}{8}$ " x  $1\frac{11}{16}$ ". Black finish only.



650F88-8

**Rim Strike for Pairs of Doors with Vertical Rod Device**

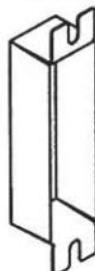
For ED5200A. Black finish.



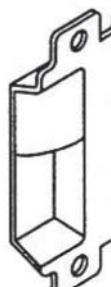
655F71-8

**ANSI Wrought Strike Box**

Optional for use with ED5600(A) devices.



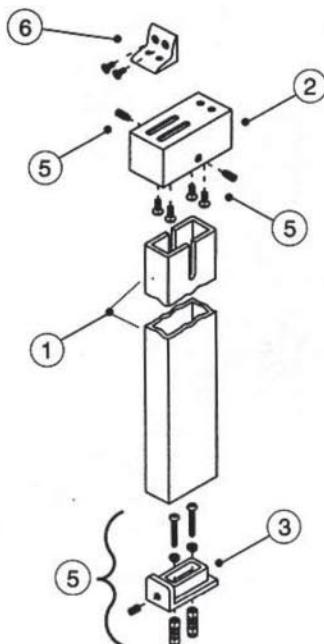
120F76-8

**Open Back Strike**

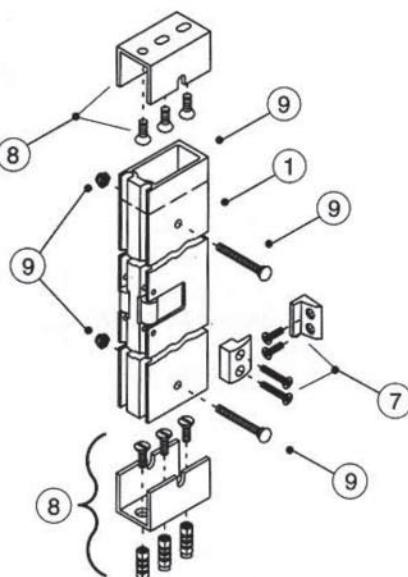
Optional for use with ED5600 x ED5400 devices on a pair of doors. Non-handed,  $4\frac{7}{8}$ " x  $1\frac{1}{4}$ ". Black finish only.

| Door Thickness   | Type         | Part No.    |
|------------------|--------------|-------------|
| $1\frac{3}{4}$ " | Curved lip   | 653L18-3016 |
|                  | Straight lip | 653L16-3016 |
| $2\frac{1}{4}$ " | Curved lip   | 653L18-3020 |
|                  | Straight lip | 653L16-3020 |

## 707A, 708A, 710 for ED5000 Series Devices



## 808 for ED4000 Series Devices

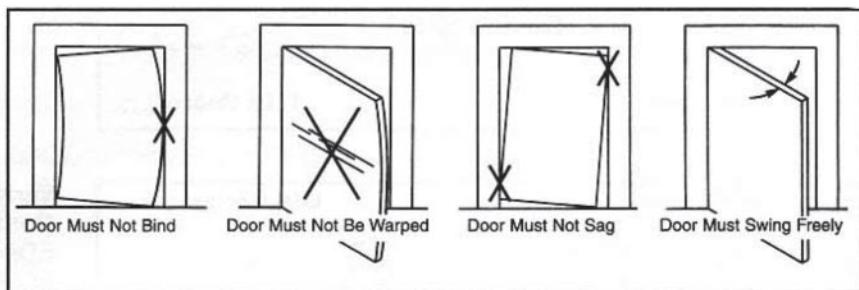


| ITEM | PART NO.                         | DESCRIPTION  |
|------|----------------------------------|--|
| ①    | 655F50-8<br>655F51-8<br>655F52-8 | Mullion only<br>7' for 707A<br>8' for 708A<br>10' for 710  |
| ②    | 655F60-8                         | Upper Mounting Bracket   |
| ③    | 655F61-8                         | Lower Mounting Bracket   |
| ④    | 655F62-8                         | Anchor Pad   |
| ⑤    | 655F65-8                         | Screw Packet contains:<br>Screw #12-24 x 3/4"<br>FHM-PH (4)<br>Set Screw 5/16-18 x 3/8" (1)<br>Set Screw, Half Dog (2)<br>5/16-18 x 5/8"<br>Screw 1/4-20 x 3/4"<br>RHM-PH (2)<br>Lock Washer 1/4" (2)<br>Masonry Anchor 1/4-20 (2) |
| ⑥    | 655F63-8                         | Angle Bracket Packet<br>(optional) contains:<br>Angle Bracket (1)<br>Screw #12-24 x 7/16"<br>OHM-PH (2)  |
| ⑦    | 653F11-1                         | Stabilizer Kit (optional) contains:<br>Stabilizer Brackets (2)<br>Stabilizers (2)<br>Stabilizer Spacers (4)<br>Screw #10-24 x 3/4"<br>FHM-PH (4)<br>Screw #10-24 x 1"<br>FHM-PH (4)  |
|      | 655F18-8                         | Parts Packet contains:<br>Items 2, 3, 4, and 5   |

| ITEM | PART NO.  | DESCRIPTION  |
|------|-----------|--|
| ①    | 655F53-1* | Mullion only, 8'   |
| ⑦    | 653F11-1* | Stabilizer Kit contains:<br>Stabilizer Brackets (2)<br>Stabilizers (2)<br>Stabilizer Spacers (4)<br>Screw #10-24 x 3/4"<br>FHM-PH (4)<br>Screw #10-24 x 1"<br>FHM-PH (4) |
| ⑧    | 655F56-8* | Mounting Bracket Packet<br>contains:<br>Mullion Mounting Plate (2)<br>1/4-20 x 1/2" FHM-PH (6)<br>1/4-20 Masonry Anchor (3)  |
| ⑨    | 655F59-8* | Carriage Bolt Packet<br>contains:<br>1/4-20 x 1 3/4" Carriage<br>Bolt (2)<br>1/4-20 Acorn Nut (2)  |
|      | 655F19-8* | Not Shown:<br>Parts Packet contains:<br>Items 7, 8, and 9  |

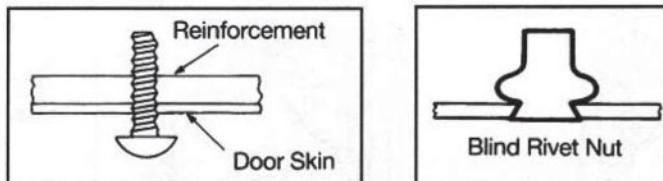
\* Specify 628 or 695 finish

Many problems with the operation of exit devices are caused by factors other than the device itself. Among the most common is a misalignment or an improper fit of the door within the frame.



Another common source of problems is improper installation. Even if all cutouts and screw holes are properly located, exit devices must be securely fastened to properly reinforced doors. Hollow doors and frames with a structural thickness (metal skin plus reinforcement, or solid hardwood) must have at least three full screw threads to be considered reinforced.

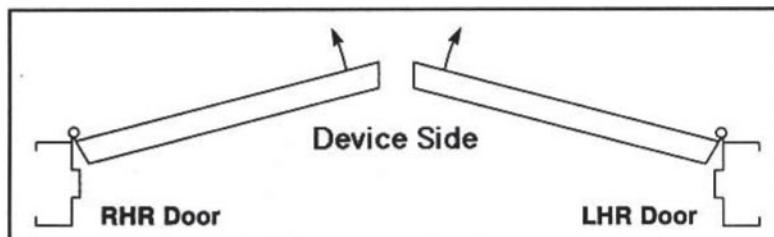
Thinner doors and frames require the following fasteners for secure and proper operation:

**Doors:**

Use hex nuts and bolts

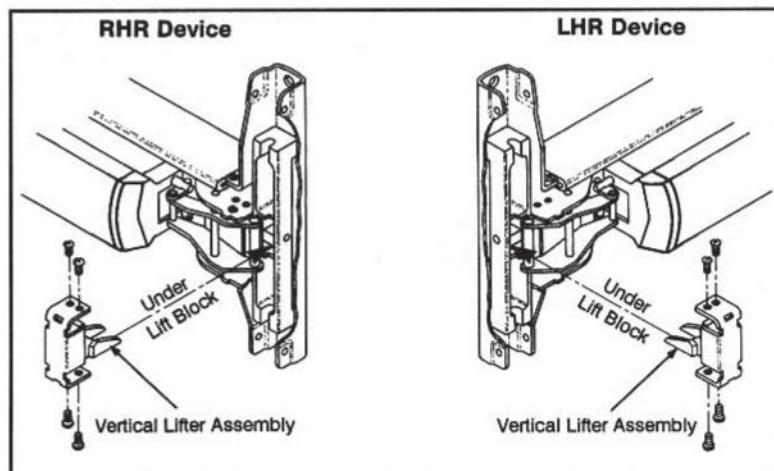
**Frames:**

Use blind rivet nuts  
(not furnished by Corbin Russwin).



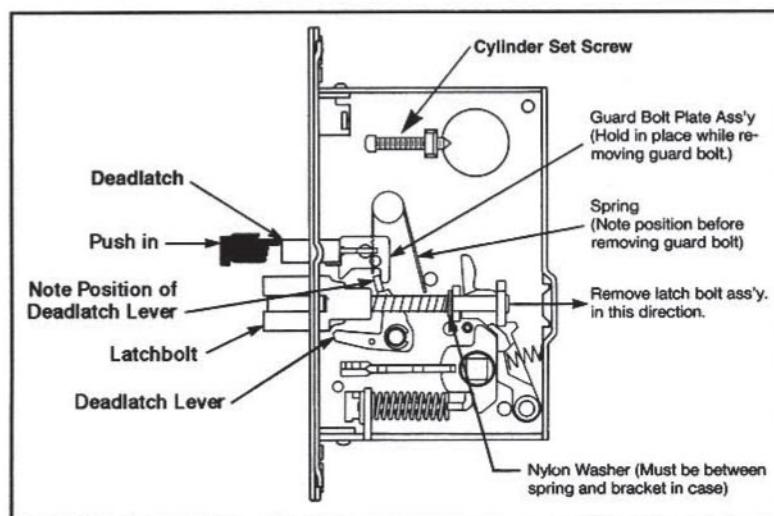
### Rim Devices ED4200, ED5200(A) series

These devices are non-handed.



### Vertical Rod Devices, Surface and Concealed ED4400, ED4800, ED5400(A), ED5800(A) series

Remove four screws and vertical lifter assembly. Turn device to opposite orientation, insert lifter assembly and reinstall screws.



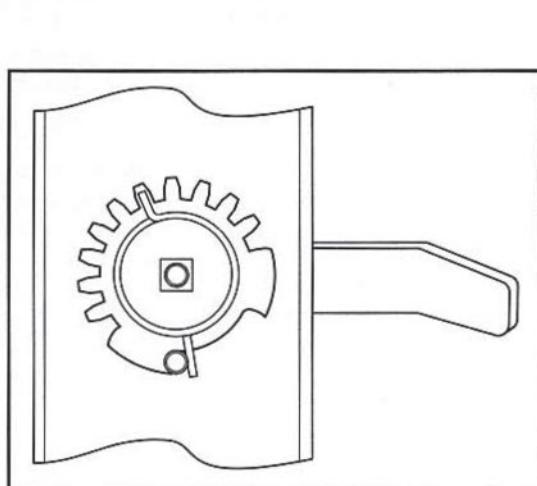
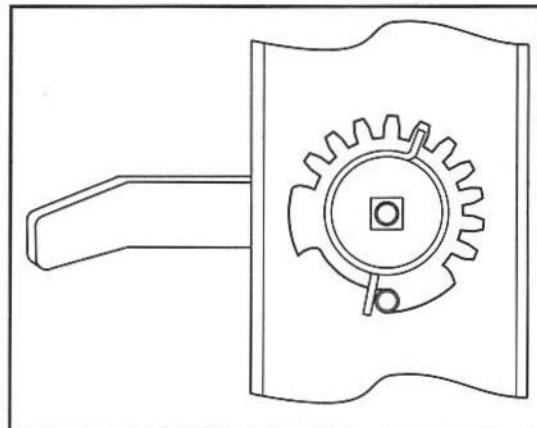
### Mortise Devices 5600(A) Series

To reverse, remove latchbolt and deadlatch, flip both over and reinstall. Also flip cylinder set screw and clamp assembly.

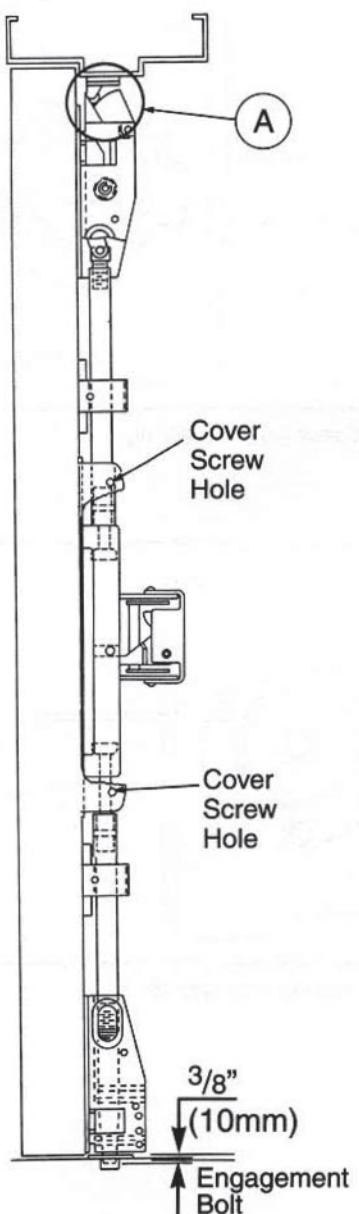
Illustration depicts typical lockbody with cover removed. Only components relevant to lock handing are shown. Other components vary according to lock function.

## x7 Lever Handle Trim

1. Remove cotter pin.
2. Remove castle nut.
3. Observe spring orientation:  
**LHR: Red spring** (part # 651F61-8)  
Short lead is at 11 o'clock and long lead is to lever side of stump at 6 o'clock.  
**RHR: Blue spring** (part # 651F62-8)  
Short lead is at 11 o'clock and long lead is to lever side of stump at 6 o'clock.
4. Remove round housing, spring and spacer.
5. Note orientation of "gap" which governs rotation in gear and remove gear.
6. Rotate lever 180°.
7. Flip gear over and reinstall, observing proper gap orientation for new direction of rotation:  
**LHR** 6 - 8 o'clock  
**RHR** 4 - 6 o'clock
8. Install spring of opposite hand (color). Place spring around spindle with long lead against gear and to lever side of post. Place housing (gap side toward lever) over spring and spindle until square in housing begins to slide down on spindle. While applying downward pressure on housing, wind short lead of spring toward lever until housing snaps into place.
9. Replace spacer in housing. Spring, housing and spacer should now be oriented as indicated in step 3 above.  
  
Note: Housing gap will always be to the lever side and spring will be slightly preloaded when properly installed.
10. Be sure lever thimble is seated properly in escutcheon. Reinstall nut but do not over tighten. Lever should rotate freely.
11. Replace cotter pin.



## Vertical Rod Devices



If top latch does not engage properly, check alignment. When locked, roller on strike should be between tripping lever and bolt (area A). Shim or reposition strike if necessary.

Bolts extend automatically when door closes and top strike hits tripping lever. Top bolt should retract flat. Bottom bolt should travel  $1/2"$  and engage  $3/8"$  into strike in down position, without dragging on floor surface in up position.

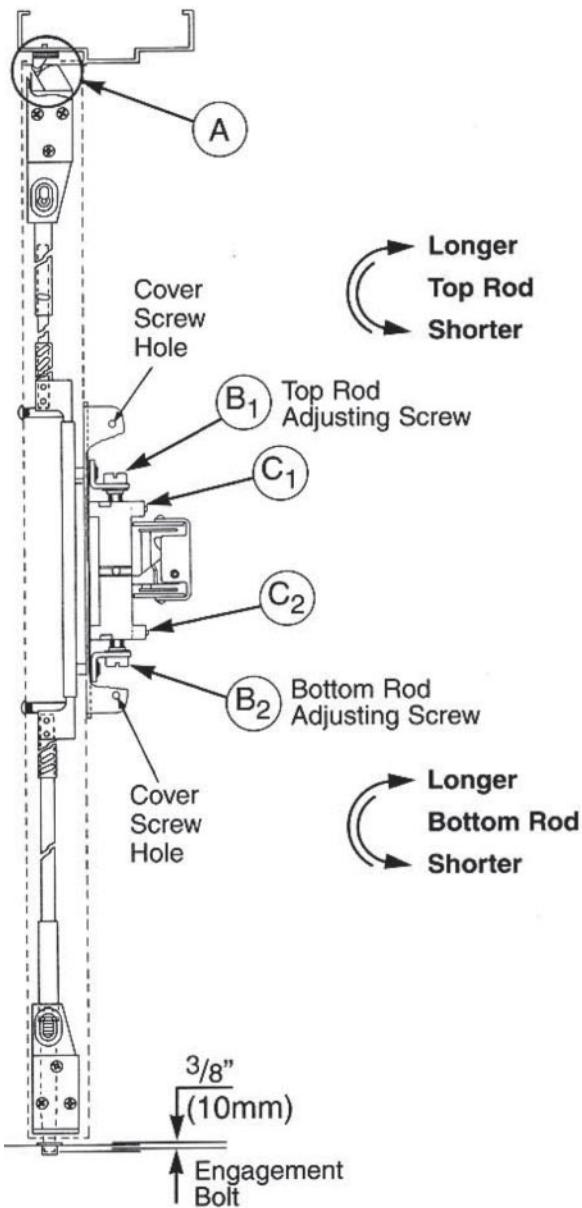
### Rod Adjustment for Bolt Throw

1. Remove active case cover screws and cover.
2. For each rod to be adjusted, remove rod guide cover screws and rod guide cover. Tilt rod out of engagement in active case. Allow it to snap out of rod guide. Twist rod clockwise (inward) to shorten bolt throw or counter-clockwise (outward) to lengthen throw.
3. Snap rod(s) back into position and test operation by opening and closing door. Repeat step 2 if necessary.
4. When adjustment is complete, reinstall rod guide cover and active case cover.

### Maintenance

1. Periodically remove covers and coat mechanisms with a silicone base lubricant. This is regularly required in corrosive environments for proper product operation.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound or change part fasteners if screws continue to back out.
3. Periodic checks and adjustments of rods may be required to compensate for door or frame sag.

## Concealed Vertical Rod Devices



Rods should move freely inside door. Bolts extend automatically when door closes and top strike hits tripping lever. Top bolt should retract flat. Bottom bolt should travel 1/2" and engage 3/8" into strike in down position, without dragging on floor surface in up position.

If top latch does not engage properly, check alignment. When locked, roller on strike should be between tripping lever and bolt (Area A). Shim or reposition strike if necessary.

**Rod Adjustment for Bolt Throw**

1. Remove active head cover screws and cover.
2. Use 3/32" Allen wrench to loosen set screws C1 and C2.
3. Adjusting screws B1 and B2 only provide fine rod adjustment. If screws bottom out before proper device operation, door and device must be removed. Larger adjustments may then be made either by threading rod in or out, or by moving cotter pin to different hole in rod.
4. When finished, lock adjusting screws in place with Allen set screws. Caution: To avoid thread damage and provide positive locking, be sure Allen set screws engage flats on adjusting screws.

**Maintenance**

1. Periodically remove covers and coat exposed mechanisms with a silicone base lubricant. This is regularly required in corrosive environments for proper product operation.
2. Check mounting fasteners periodically. Retighten if found loose. Apply screw locking compound or change part fasteners if screws continue to back out.
3. Periodic checks and adjustments of rods may be required to compensate for door or frame sag.



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